

Jasper

#104

part 1

Jarrell, Leslie

From: Jarrell, Leslie (she/her/hers)
Sent: Thursday, February 2, 2023 2:43 PM
To: [REDACTED] Graff, Jaimie; [REDACTED]
Subject: FW: IDEXX BioAnalytics Case 102454-2023 - Jasper
Attachments: IDEXX_Case_102454-2023.pdf
Follow Up Flag: Follow up
Flag Status: Flagged

Hi all,
This is the report for Jasper's biopsies. He had myocardial necrosis, with fibrosis and heart valve degeneration. The pathologists (4 of them!) thought that the heart changes were chronic, and resulted in a cardiomyopathy, with some degree of heart failure.

Skin- no signs of mites, or inflammation, or anything infectious. I suspect skin issues could be related to age as suggested, or could be vitamin D related. I am consulting with the pathologist. Vitamin D levels are not well documented in rabbits. It is hard to consider supplementing, if you don't know the normal range. There was a paper where they documented that rabbits got more vitamin D from hay and pellets, than they did with exposure to natural sunlight. It was a survey though. Vit D receptor knockout mice can have hair follicle abnormalities, similar to what the pathologists saw.

Thank you,
Leslie

From: IDEXX BioAnalytics <IDEXXBioAnalytics@idexx.com>
Sent: Thursday, February 2, 2023 12:19 PM
To: [REDACTED] Jarrell, Leslie (she/her/hers) <Jarrell.Leslie@epa.gov>;
[REDACTED]
Subject: IDEXX BioAnalytics Case 102454-2023

Results for case 102454-2023 are now available on the [IDEXX BioAnalytics](#) web site. Please reply if you have questions or wish to discuss this case.

Attachments	
File Name	Description
IDEXX_Case_102454-2023.pdf	IDEXX Case 102454-2023 Report

FINAL REPORT OF LABORATORY EXAMINATION

4011 Discovery Drive, Columbia, MO 65201

1-800-669-0825 1-573-499-5700

idexxbioanalytics@idexx.com

www.idexxbioanalytics.com

IDEXX BioAnalytics Case # 102454-2023

Received Date: 1/26/2023

Completed: 2/2/2023

Submitted By

Leslie Jarrell

MPF Federal

109 T.W. Alexander Drive, MD 105-10

Research Triangle Park, NC 27709

Phone: 919-541-5155

Email:

jarrell.leslie@epa.gov

Specimen Description

Species: rabbit

Breed/Strain: NZW

Description: Tissues

Number of Specimens/Animals: 1

Study: clinical case

Client ID	Species	Strain /Breed
1	rabbit	NZW

Services/Tests Performed: Diagnostic Pathology Services (1)

Histopathologic evaluation for: heart, lung, pericardium , skin, SQ mass

General Comments: 1. Skin sample from dorsal/lateral neck, with multiple small scabs throughout. Ectoparasite sample IDEXX Bioanalytics case # 133695-2022 was negative for rabbit mites. Rabbits treated with 3 rounds selamectin topically anyway q2 weeks x 3, with complete bedding change. Still scabs.2. Heart and adjacent tissue- apex of heart was attached to chest wall with ?? adhesions?3. SQ skin mass on ventral midline, soft tissue; This rabbit was a 905 year old NZW intact male, with history of gastric stasis and suspected arthritis/weakness front legs would slide out on cage floor; Tissues - skin

Summary:

DIAGNOSIS:

Skin: mild to moderate orthokeratotic hyperkeratosis, epidermal atrophy, hair follicles atrophy

Heart: myocardial necrosis with interstitial fibrosis, multifocal and valvular myxomatous degeneration

Pericardium / adipose tissue: fibrosis

SQ mass: fibroma

COMMENTS:

This case was reviewed by 3 additional pathologists with interest in laboratory animal pathology. The hyperkeratosis in

the skin could explain the presence of small scales. Given the presence of epidermal atrophy (thinning) and hair follicles atrophy, an underlying endocrine disorder or age related cause are the 2 main differentials. There was no significant inflammation or evidence of an infectious etiology. In one skin sample, there was an increased in dermal fibrosis / subcutaneous fibrosis interpreted to be a fibroma, which is an incidental age related finding. The changes in the heart are chronic and likely resulted in a cardiomyopathy. This could have resulted in some degree of heart failure, which could explain the presence of fibrosis in the pericardium / adipose tissue and the adhesion noted at necropsy. Once again, there was no evidence of inflammation or infectious etiology. The cardiac changes are likely age related as this animal was 9.5 years old, which is relatively old for a rabbit.

[REDACTED]

Please feel free to contact me via email at [REDACTED] if you have any questions regarding this histopathology report.

Please see the report for details.

HISTOPATHOLOGY

Animal: 1

heart	Heart. There are multifocal areas of cardiomyocytes degeneration / necrosis with interstitial fibrosis. This change affect 20% of the left ventricle. The valve is mildly degenerate with myxomatous changes.
lung	no significant lesions
pericardium	This tissue is comprised of pericardium and adipose tissue. There are mature fibroblasts associated with fibrous connective. There are few reactive mesothelial cells.
skin	Skin. There are multifocal areas of mild to moderate orthokeratotic hyperkeratosis. The epidermis is 1-2 cell layers thick. There is an increased number of hair follicles in telogen phase. There is no significant inflammation.
SQ mass	Skin. In one of the skin sample received, there is an increased of dermal / subcutaneous fibrous connective tissue, forming a poorly defined mass like structure.

Jarrell, Leslie

From: Jarrell, Leslie (she/her/hers)
Sent: Wednesday, February 1, 2023 1:34 PM
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: AHR#23009- closed

Importance: High

Follow Up Flag: Follow up
Flag Status: Flagged

Hi [REDACTED]
I hadn't closed this one formally before, and since email was 2 weeks ago, already sent out to [REDACTED] I don't want to send another. So am just sending to you and [REDACTED]
Thanks,
Leslie

From: [REDACTED]
Sent: Tuesday, January 10, 2023 10:13 AM
To: [REDACTED]
Cc: Jarrell, Leslie <Jarrell.Leslie@epa.gov>; Leslie Jarrell (MPF*) <ljarrell@mpffederal.com> [REDACTED]
Subject: AHR#23009
Importance: High

Good morning,

This is just to send out an official AHR on Jasper. Thanks

Number: 23009
Date Found: 01/08/23
Time Found:
Found by: [REDACTED]
Room: A486B
Investigator: [REDACTED]
ACUP#: 25-04-001
Species/Strain: Rabbit/NZW
Sex: Male
DOB: 05/07/14
Bred:
Date Received: 11/05/14
Animal ID/Cage: 104
Did not eat all food from the day before. Small fecal pellets

[REDACTED]
Program Coordinator
FEFA, LLC



Jarrell, Leslie

From: Jarrell, Leslie (she/her/hers)
Sent: Wednesday, January 18, 2023 5:08 PM
To: [REDACTED]

Cc: [REDACTED]
Subject: Re: Jasper, Wed 1/18/23 afternoon

Follow Up Flag: Follow up
Flag Status: Flagged

Hi all,
I euthanized Jasper today. It was very smooth. He was a very good rabbit.
Leslie

Sent from my iPad

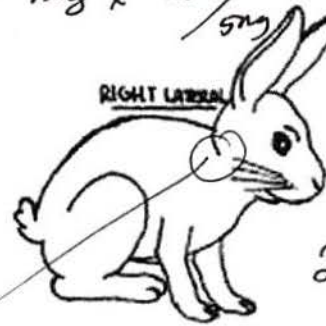
On Jan 17, 2023, at 12:19 PM, Jarrell, Leslie (she/her/hers) <Jarrell.Leslie@epa.gov> wrote:

Hi all, Thanks for meeting today. I'm planning on humane euthanasia for Jasper tomorrow, on Wed 1/18/23, at around 1:30 PM. Please let me know if that does not work.

He is a really good rabbit, and will be missed.
Thanks, Leslie

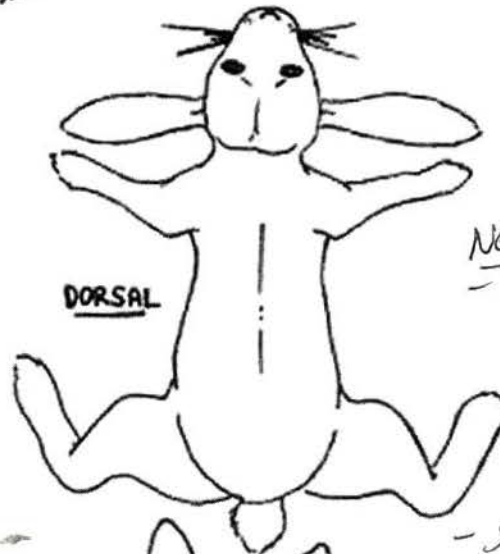
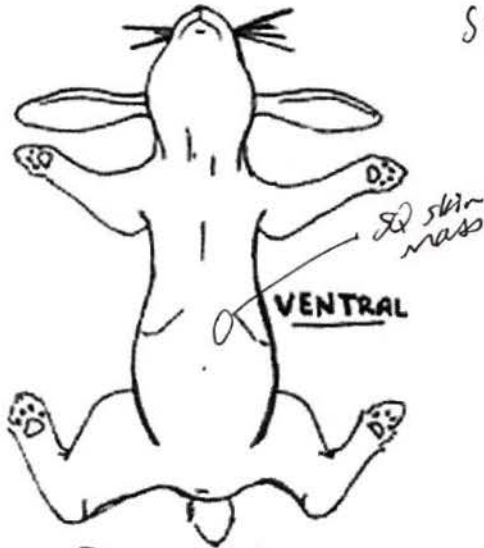
1/18/23 ★ Plan - humane euthanasia of elderly rabbit w/ health issues that require complete housing change.

Plan: IN midazolam @ $0.8 \text{ mg/kg} \times 3.83 \text{ kg} = 3.06 \text{ mg}$
 $3.83 \text{ mg} \times \frac{1 \text{ ml}}{5 \text{ mg}} = 0.76 \text{ ml IN for sedation then}$



Induce isoflurane.
 Then euthanize w/
 Euthasol solution IV
 Done in saline

JD

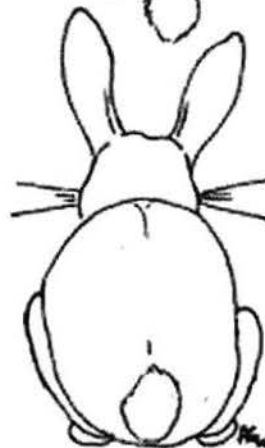


+ enlarged thymus? thymoma?
 Necropsy

- Heart adhered to
 (L) diaphragm
 + chest wall
 adhesion??
 took for histo

- skin mass (L)
 ventral
 abdomen
 ~1 cm
 soft tissue
 density

- scabs @ face
 took bx for
 histo



Makal Animal Clinic, Inc. 420 Ulukou Street, Kailua, HI 96734 808-262-6621

1/18/23 Jasper 104

SIO After lengthy discussion w/ PI, BC, IACUC +
 ARPO + ACS, euthanasia was decided on for
 Jasper d/t declining mobility + suspected arthritic
 + neuro issues leading to + water consumption +
 gastric stasis

AIP - PI declines placing amendment for alternate housing
 + declines justifying pen housing with lab responsible for daily
 socialization incl holiday/weekend/bad weather.

Jarrell, Leslie

From: Jarrell, Leslie
Sent: Monday, January 9, 2023 8:10 AM
To: [REDACTED]
Cc: Graff, Jaimie; [REDACTED]
Subject: RE: New AHR- Jasper

That's good!

Would it be possible for us all to discuss having Jasper live in a floor pen with a rubber mat and fence? My concern is that if his feet slide out on the cage floor, then he could be unable to get up and move to feed or water easily. If he got stuck there after checks on Sat or Sun or holiday, he could be stuck there for 20 hours till next shift arrives.

If he is on floor pen with rubber mat, he should be able to get more traction and ambulate easier to feed and water.

Thanks,
Leslie

-----Original Message-----

From: [REDACTED]
Sent: Monday, January 9, 2023 8:04 AM
To: Jarrell, Leslie <Jarrell.Leslie@epa.gov>
[REDACTED]
Cc: Graff, Jaimie <Graff.Jaimie@epa.gov>; [REDACTED]
[REDACTED]

Subject: RE: New AHR- Jasper- Update Sun 010823

Good Morning Everyone,

Jasper this morning:

Ate his rations (minus a couple pellets), has normal volume of feces (some are a little bit smaller than normal), is BAR and mobility is good. When I visited him he was moving freely through the play pen, eating treats, and otherwise acting normal. Because he was in the play pen I did not see him in his cage but his gait was normal on the rubber play pen pads.

The animal care team will continue to monitor him throughout the day and provide more vegies and critical care, and relay any concerns.

Thanks!

-----Original Message-----

From: Jarrell, Leslie <Jarrell.Leslie@epa.gov>
Sent: Sunday, January 8, 2023 12:05 PM

To: [REDACTED]

Cc: Graff, Jaimie <Graff.Jaimie@epa.gov>; [REDACTED]

Leslie Jarrell <ljarrell@mpffederal.com>

Subject: RE: New AHR- Jasper- Update Sun 010823

Hi all,

[REDACTED] called this morning, Jasper ate his pellets and ate some Critical Care! She confirmed when he isn't standing on hay, his front feet slip out. Plan- more veg today, new critical care.

Thanks,

Leslie

-----Original Message-----

From: Jarrell, Leslie

Sent: Saturday, January 7, 2023 6:45 PM

To: [REDACTED]

Cc: Graff, Jaimie <Graff.Jaimie@epa.gov>; [REDACTED]

Leslie Jarrell <ljarrell@mpffederal.com>

Subject: New AHR- Jasper

Hi all,

S: This morning Sat 1/7/23, [REDACTED] noted that Jasper didn't eat all his pellets from yesterday, and had small dry fecal pellets. He was acting ok. [REDACTED] called and we discussed, and we started him on Critical Care slurry. He ate his slurry from yesterday. [REDACTED] gave him some veg too. I wanted to check him so went in this afternoon so I would be able to check if he ate his veg and Critical Care. This pm he still had not eaten his pellets. He ate all his veg from the morning. Still small dry fecal pellets.

O; Exam pm. Bright, alert, responsive and hydrated. Skin turgor is normal. Mucus membranes (MM) are pink and cap refill time (CRT) is < 1 second. Ears/ eyes/ nose ok. HR 280, mild gallop rhythm, intermittent, RR - sniff, no crackles or wheezes ausculted. Abdomen- no issues on palpating, on brief exam, no obvious obstruction. Neuro- front feet slide out on cage floor. Wide based stance. Hops normally, but not as coordinated as usual. Feet go out lateral and not a smooth gait/ hop. When he is "dog sitting", and feet are on smooth cage floor, his front feet slide out to the front and laterally. Mentation- normal, knows where he is going, and solicits attention.

A; 1. Not eating pellets- suspect gastric stasis, mild. Still eating veg, hay, critical care and treats. Rule out-dental disease-suspect dental disease, as before, can't evaluate or treat without radiographs or CT, which are both unavailable on site.

2. Front feet slipping out and coordination issues- the DDX list is long including; neuro issues, orthopedic/ arthritis, cardiac (weakness), metabolic (renal, other), neoplasia, open.

P; 1. Without radiographs, will be difficult to diagnose either issue. Plan bloodwork, which isn't always accurate for rabbits but may give a ballpark idea 2. Plan supportive care as follows- 3. Recommend permanently move Jasper to floor pen w rubber mat flooring. He is not being collected. If this is permitted, then recommend slow transition. Risks of staying on slippery cage floor are higher than staying in floor pen in my opinion. If he slips and injures himself in cage, he has no recourse, and wouldn't be able to get up. In floor pen, if he always has traction on rubber mats, he would have more ability to ambulate to feed/ water. He will be unsupervised during nights, weekends and holidays in both housing settings either way.

4. I put hay all over floor of his cage, to increase his traction for the weekend
5. Re-start oral Cosequin, in case of arthritis. Did not see improvement previously but is unlikely to cause further issues and may possibly help.
6. Recommend offer water in a slow feeder type bowl, such as a stainless steel slow feeder bowl. Rabbits often like water bowls but he has a risk of falling in and drowning so a slow feeder bowl may be an option. This could help increase his water intake and decrease his need to bend/ stretch/ contort to be able to use a lixit or water bottle lixit. Alternative is to use the shallow ceramic bowl and place a large number of clean rocks so he can't get stuck in it.
7. Critical Care slurry daily, started today
8. Consider oral NSAID depending on lab work
9. Discuss quality of life issues, and discuss w IACUC.
10. Order Oxbow alfalfa hay for increased protein and calories.

Discussed w [REDACTED] for tomorrow.

Thanks,
Leslie

Sent from my iPad

Jarrell, Leslie

From: Jarrell, Leslie
Sent: Monday, January 9, 2023 9:18 AM
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: New AHR- Jasper

Hi [REDACTED]
Please change the treatment sheet to say 1 scoop of Critical Care SID for Jasper, starting tomorrow. For today, please offer 1 scoop in AM and 1 scoop in PM.
Thanks,
Leslie

-----Original Message-----

From: [REDACTED]
Sent: Monday, January 9, 2023 9:15 AM
To: Jarrell, Leslie <Jarrell.Leslie@epa.gov>
Cc: [REDACTED]
Subject: RE: New AHR- Jasper

Hey Leslie,

I noticed that on the treatment sheet for this case, the first treatment listed is "3 scoops of critical care slurry - SID". Do you want Jasper to continue receiving a single serving of 3 scoops once a day? [REDACTED] wanted me to clarify.

Thanks!
[REDACTED]

-----Original Message-----

From: Jarrell, Leslie <Jarrell.Leslie@epa.gov>
Sent: Saturday, January 7, 2023 6:45 PM
To: [REDACTED]

Cc: Graff, Jaimie <Graff.Jaimie@epa.gov>; [REDACTED]
[REDACTED]

Leslie Jarrell <ljarrell@mpffederal.com>
Subject: New AHR- Jasper

Hi all,
S: This morning Sat 1/7/23, [REDACTED] noted that Jasper didn't eat all his pellets from yesterday, and had small dry fecal pellets. He was acting ok. [REDACTED] called and we discussed, and we started him on Critical Care slurry. He ate his slurry from yesterday. [REDACTED] gave him some veg too. I wanted to check him so went in this afternoon so I would be able to check if he ate his veg and Critical Care. This pm he still had not eaten his pellets. He ate all his veg from the morning. Still small dry fecal pellets.
O; Exam pm. Bright, alert, responsive and hydrated. Skin turgor is normal. Mucus membranes (MM) are pink and cap refill time (CRT) is < 1 second. Ears/ eyes/ nose ok. HR 280, mild gallop rhythm, intermittent, RR - sniff, no crackles or wheezes ausculted. Abdomen- no issues on palpating, on brief exam, no obvious obstruction. Neuro- front feet slide

out on cage floor. Wide based stance. Hops normally, but not as coordinated as usual. Feet go out lateral and not a smooth gait/ hop. When he is "dog sitting", and feet are on smooth cage floor, his front feet slide out to the front and laterally. Mentation- normal, knows where he is going, and solicits attention.

A; 1. Not eating pellets- suspect gastric stasis, mild. Still eating veg, hay, critical care and treats. Rule out-dental disease-suspect dental disease, as before, can't evaluate or treat without radiographs or CT, which are both unavailable on site.

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4. I put hay all over floor of his cage, to increase his traction for the weekend 5. Re-start oral Cosequin, in case of arthritis. Did not see improvement previously but is unlikely to cause further issues and may possibly help.

6. Recommend offer water in a slow feeder type bowl, such as a stainless steel slow feeder bowl. Rabbits often like water bowls but he has a risk of falling in and drowning so a slow feeder bowl may be an option. This could help increase his water intake and decrease his need to bend/ stretch/ contort to be able to use a lixit or water bottle lixit. Alternative is to use the shallow ceramic bowl and place a large number of clean rocks so he can't get stuck in it.

7. Critical Care slurry daily, started today 8. Consider oral NSAID depending on lab work 9. Discuss quality of life issues, and discuss w IACUC.

10. Order Oxbow alfalfa hay for increased protein and calories.

Discussed w [REDACTED] for tomorrow.

Thanks,
Leslie

Sent from my iPad

AHR Number: 23009Close Date: 1/18/23Room: 486B

US EPA RTPP Campus Animal Health Report

Number: 23
 Date Found: 1/7/2023
 Time Found: AM
 Found by: [REDACTED]
 Room: 486B
 Investigator: [REDACTED]
 LAPR#: [REDACTED]
 Species/Strain: Rabbit/NZW
 Sex: MI
 DOB: 5/7/14
 Received:
 Animal ID/Cage: Jasper 104

Treatment Sheet Needed?

Yes ☒ No ☐Date Completed 1/18/23

Date	Time	Notes	Initials
1/7/22	4 PM	<p>⑤ Did not eat all his pellets from yesterday and had smaller dry feces. Acting ok. Slw [REDACTED]</p> <p>Re-gave critical care + reg. [REDACTED] in pm I check to see if ate + exam</p> <p>⑥ BARH. Skin turgor within normal limits; MM pink + moist CRT ~ 1 sec. HR 280 (+), RR sniff, no crackles/whistles; occasional gallop rhythm. Abd - can't palpate all but no obvious stasis. EEN ok oral NE Neuro → front feet slide out on floor. Wide based stance. Hops normally but not as coordinated as usual - go feet go out laterally and not a smooth hop. When sitting on floor up on cage floor; front feet slip forward and lateral. Mentation - normal; knows where he is going + solicit attention.</p>	over

Rev 10-2019
LJ

BARH = Bright, Alert, Responsive, Hydrated
 BNP = (topical) Antibiotic ointment with Bacitracin, Neomycin, Polymixin
 SID = Once daily; BID = Twice daily

ATTACH ANY TREATMENT SHEETS TO RECORD AFTER CLOSURE

CLINICAL/PROGRESS NOTES

AHR: _____ Animal ID#: Jasper Room: 486B Investigator: _____

Date	Time	Notes	Initials
1/7/22		<p><u>Stasis</u> → cont. A/O Dental dz and for front feet b/c the</p> <p>(A) DDY list is long: DDY: neuro, oropedic / arthritis, cardiac (weakness?), metabolic (renal or other), neoplasia → open. Also - Stasis</p> <p>(P) 1. Without radiographs, will be difficult to dx. Plan bloodwork Monday → DDY; may not be accurate but may give some info.</p> <p>2. Supportive care -</p> <ul style="list-style-type: none"> • Rec permanently move to floor pen w/ rubber mat flooring → If permitted then show transition → risks of unsupervised offset by risk of slipping in cage on night / weekend / holiday when also unsupervised • Re-start oral Cosequin supplement - did not see improvement previous but unlikely to cause issues • Water in bowl w/ slow feeder set up so won't drown in bowl; to ↑ water consumption + necessity to bend / position to use lift / water bottle • Critical care daily - started today • Consider oral NSAID dep on labwork <p>⊗ Gave 1 plate critical care</p> <ul style="list-style-type: none"> • Discuss QOL issues • Recommend adoption to pet status. 	

No radiographs at this site!

J. Daniels

1/9/23	9:55am	Animal BARK, ate off almost all produce this morning and readily took treats. Offered Critical Care per treatment plan. Animal appears to be ambulating normally.	
1/9/23	Am	BARK; eating hay; ate veg. Hap - same. AIP to critical care to I scoop SID. until further notice. Brass floor pen to slipping + fall.	21
1/11/22	AM	BARK. eating well + feces is a better size + shape; admin topical steroid. (AIP) Arthritis suspected + dental disease; in discussion for floor pen; current bed heavy w/ hay for traction.	22
1/13/23	8:55am	CT Monitor BARK. eating well, feces is normal, ambulation normal, energy level in play pen good. Seems to slide a little on play pen floor mat when stationary. BW: 3.83kg Monday's BW: 3.89kg	

AHR Number: 23009Date Opened: 1/7/23Room: 486B

Date Closed: _____

NHEERL Animal Treatment Sheet

Species Rabbit Strain NZWSex Male I ID# Jasper 104Clinical Diagnosis: Open - Neuro / Arthritis / open
Front feet splay out; & pellet consumption

Treatment	Route	Volume	Frequency
1. Critical Care Slurry	-	3 scoops SID	1 scoop SID
2. Monitor how much he ate (pellets + veg) +			
3. Write below			
3. Attitude OK?			

Date	Time	Notes	Initials
1/7/23	4pm	- Big plate critical care slurry - He ate all veg + cc from AM - Wants petting	2J
1/8/23	8:30am	Ate a little bit of slurry from yesterday afternoon. Ate almost all of pellets food. Gave fresh pellets, Critical Care Spread hay, so Jasper can get traction & extra for snacking. Also fresh veg. Spring mix = lots of petting!	
1/9/23	9:47am	Reducing Critical Care to 1 scoop SID after today today - 1 scoop in AM, 1 scoop in PM Care instructions / treatment adjustment per AV 1 scoop Critical Care offered	
1/10/23	8:03	Critical Care 1 scoop	
1/11/23	8:24	Critical Care 1 scoop	
1/12/23	12:30	Critical Care 1 scoop	
1/13/23	7:40	Critical Care 1 scoop	
1/16/23	8:10	Critical Care 1 scoop	
1/17/23	8:05	Critical Care 1 scoop	
1/18/23	7:38	Critical Care 1 scoop	

Rabbit – Dec 5, 2022

Selamectin

12 mg/kg topical, once every 2- 3 weeks x 3 treatments

- Jasper 104. Weight 3.81 kg.
 - a. $3.81 \text{ kg} \times 12 \text{ mg/kg} = 45 \text{ mg}$
 - b. Each tube = 15 mg, $15 \times 3 = 45 \text{ mg}$
 - c. 3 (15 mg) tubes on Jasper
 - i. Date Mon 12/5/22 ☒ SJ
 - ii. ~~Date Tues 12/27/22~~ wed 12/28/22 ☒ SJ
 - iii. ~~Date Mon 1/09/22~~ wed 1/12/23 ☒ SJ
- Wyatt 109. Weight 4.16 kg
 - a. $4.16 \text{ kg} \times 12 \text{ mg/kg} = 49 \text{ mg}$
 - b. Each tube = 15 mg, $15 \times 3 = 45 \text{ mg}$
 - c. 3 (15 mg) tubes on Wyatt
 - i. Date Mon 12/5/22 ☒ SJ
 - ii. ~~Date Tues 12/27/22~~ wed 12/28/22 ☒ SJ
 - iii. ~~Date Mon 1/09/22~~ wed 1/11/23 ☒ SJ
- Doc 110. Weight 3.52 kg
 - a. $3.52 \text{ kg} \times 12 \text{ mg/kg} = 42 \text{ mg}$
 - b. Each tube = 15 mg, $15 \times 3 = 45$
 - c. 3 (15 mg) tubes on Doc
 - i. Date Mon 12/5/22 ☒ SJ
 - ii. ~~Date Tues 12/27/22~~ wed 12/28/22 ☒ SJ
 - iii. ~~Date Mon 1/09/22~~ wed 1/11/23 ☒ SJ
- Johnny 111. Weight 3.69 kg
 - a. $3.69 \text{ kg} \times 12 \text{ mg/kg} = 44 \text{ mg}$
 - b. Each tube = 15 mg, $15 \times 3 = 45$
 - c. 3 (15 mg) tubes on Johnny
 - i. Date Mon 12/5/22 ☒ SJ
 - ii. ~~Date Tues 12/27/22~~ wed 12/28/22 ☒ SJ
 - iii. ~~Date Mon 1/09/22~~ wed 1/11/23 ☒ SJ

Recheck ~ week of 1/15/23 ☐

FINAL REPORT OF LABORATORY EXAMINATION

4011 Discovery Drive, Columbia, MO 65201

1-800-669-0825 1-573-499-5700

idexxbioanalytics@idexx.com

www.idexxbioanalytics.com

IDEXX BioAnalytics Case # 133695-2022

Received Date: 12/2/2022

Completed: 12/5/2022

Submitted By

MPF Federal
109 TW Alexander Dr
RTP, NC 27709

Phone: [REDACTED]

Email:

[REDACTED] jarrell.leslie@epa.gov; [REDACTED]

Study Director

Leslie Jarrell
MPF Federal
109 T.W. Alexander Drive, MD 105-10
Research Triangle Park, NC 27709

Phone: 919-541-5155

Email:

jarrell.leslie@epa.gov [REDACTED]

Specimen Description

Species: rabbit
Breed/Strain: NZW
Description: Other
Number of Specimens/Animals: 1
Study: clinical

Client ID	Species	Strain /Breed	Sex	Collection Date
1	rabbit	NZW	M	11/29/2022

Services/Tests Performed: Ectoparasites - Fur Pluck (1)**Parasitologic evaluation for:** fur mites, mesostigmata mites, lice**General Comments:** Other - Fur Pluck**Summary:** All test results were negative. Please see the report for details.

PARASITOLOGY

	1
parasites	-

SMALL MAMMAL PATIENT EXAMINATION REPORT CARD

1. Coat/Fur & Skin Appears normal Scaly Infection Matted Itchy Dull/Dry Scabs Shedding Tumors Hair Loss	TESTS NEEDED: Annual Blood Work Urinalysis Fecal Examination Spay / Neuter Microchip Skin Scraping Fungal Culture Ear Cytology	RECOMMENDATIONS: Cage Change: Bedding Change: Change Type Diet Change: Please see handout	Tech Initials: _____ Temp: _____ Weight: _____								
2. Eyes Appears Normal Inflamed Eyelid Deformities Cataract: L R Discharge Infection Ulcer: L R	<table border="0"> <tr> <td>Appetite: normal / increased / decreased</td> <td>Urination: normal / increased / decreased</td> </tr> <tr> <td>Water Intake: normal / increased / decreased</td> <td>Attitude: normal / abnormal</td> </tr> <tr> <td>Coughing: No / Yes, Frequency: _____</td> <td>Feces: normal / abnormal</td> </tr> <tr> <td>Sneezing: No / Yes, Frequency: _____</td> <td></td> </tr> </table>			Appetite: normal / increased / decreased	Urination: normal / increased / decreased	Water Intake: normal / increased / decreased	Attitude: normal / abnormal	Coughing: No / Yes, Frequency: _____	Feces: normal / abnormal	Sneezing: No / Yes, Frequency: _____	
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Coughing: No / Yes, Frequency: _____	Feces: normal / abnormal										
Sneezing: No / Yes, Frequency: _____											
3. Ears Appears Normal Dirty Tumor: L R Excessive Hair Inflamed: L R Mites Infected Painful	Presented For: <u>Jasper 104 NZW 04</u> <u>DOB 5/20/14 MI WT 1/4/21 3.92 3.97</u> <u>7.5 y old wt 12/21 3.66</u> Historical Issues/ Medications: <u>NID to at last</u> <u>3.534</u> <u>- 102</u>										
4. Nose Appears Normal Other: _____ Nasal Discharge	Current Diet: <u>Grass hay, pellets, veg</u> <u>Critical care</u>										
5. Mouth, Teeth, Gums <u>NE</u> Appears Normal Tartar Buildup Overgrown Incisors Overgrown Molars Overgrown roots Broken Teeth Tumors Inflamed Lips Periodontal Disease Abscessed	Examination: <u>(SID) BAKH - very thin, little muscle</u> <u>over back + legs: some urine</u> <u>on fur but not on skin</u> <u>(AIP) Hospice + Supportive care.</u> <u>Monitor Zjanelle</u>										
6. Legs & Paws Appears Normal Nail Problems Other: _____ Joint Problems Lameness	7. Heart <u>NE</u> Appears Normal Slow Murmur Fast Irregular										
8. Lungs Appears Normal Abnormal Sound Rapid Respiration Coughing Congestion Dyspnea	9. Abdomen Appears Normal Enlarged Organs Fluid Abnormal Mass Tense/Painful Swollen										
10. Gastrointestinal System Appears Normal Stasis/ Impaction Anorexia Abnormal Feces Parasites	11. Urogenital System Appears Normal Mammary Tumors Abnormal Testicles Abnormal Urination Genital Discharge										
12. Weight Normal Heavy By: _____ Obese Thin By: _____	Doctor: Doctor's name, DVM Need: _____ In: _____ Days										
DIAGNOSIS OR PROBLEMS	PROGNOSIS	DIFFERENTIAL DIAGNOSIS	PLAN								
<table border="0"> <tr> <td>Today's Date: _____</td> <td>Chart #: _____</td> <td>Species/ Breed: <u>NZW Rabbit</u></td> <td>DOB: <u>5/14</u></td> </tr> <tr> <td>Pet's Name: <u>Jasper 104</u></td> <td>Last Name: _____</td> <td>Color: _____</td> <td>Sex: _____</td> </tr> </table>				Today's Date: _____	Chart #: _____	Species/ Breed: <u>NZW Rabbit</u>	DOB: <u>5/14</u>	Pet's Name: <u>Jasper 104</u>	Last Name: _____	Color: _____	Sex: _____
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Pet's Name: <u>Jasper 104</u>	Last Name: _____	Color: _____	Sex: _____								

Jarrell, Leslie

From: Jarrell, Leslie
Sent: Tuesday, November 29, 2022 3:57 PM
To: [REDACTED]
Cc: Graff, Jaimie; [REDACTED]
Subject: Rabbits - update 11292022

Hi all,

[REDACTED] and I did the rabbits' exams on Nov 17, 2022.

1. Jasper 104. DOB 5/7/14. Weight 11/21/22= 3.81 kg, Weight 11/21/21= 3.65 kg, Weight 4/26/21= 3.66 kg, Weight 4/27/2020= 3.96 kg. Bright, alert, responsive and hydrated. **Pinpoint scabs** at both sides of face on cheeks, no alopecia, no pruritus. Very mild pododermatitis both hind feet. Fur is thin but clean on ventral surface of feet. 1 cm diameter subcutaneous mass, freely movable, right lateral chest. Perineum slightly pink but not inflamed. Monitor.
2. Wyatt 109. DOB 5/5/18. Weight 11/21/22= 4.16 kg, Weight 11/21/21= 3.84 kg, Weight 4/26/21= 3.66 kg. Weight 4/27/2020= 3.68 kg. Bright, alert, responsive and hydrated. **Pinpoint scabs** at both sides of face on cheeks, no alopecia, no pruritus. Mild pododermatitis right hind foot. Feet are well furred and clean. Small circle of alopecia only 2 mm diameter circle at point of hock right foot only.
3. Doc 110. DOB 5/5/18. Weight 11/21/22= 3.52 kg, Weight 11/21/21= 3.49 kg, Weight 4/26/21= 3.44 kg, Weight 4/27/2020= 3.34 kg. Bright, alert, responsive and hydrated. **Pinpoint scabs** at both sides of face on cheeks, no alopecia, no pruritus. Right ear pinna has healed old wound from bite, with skin tag, healed well. Mild pododermatitis both hind feet. Clean, well furred feet. Small circle of alopecia 2 mm diameter circle at point of hock right hind and about 4 mm diameter on left hind.
4. Johnny 111. DOB 5/5/18. Weight 11/21/22= 3.69 kg, Weight 11/21/21= 3.46 kg, Weight 4/26/21= 3.53 kg. Weight 4/27/2020= 3.48 kg. Bright, alert, responsive and hydrated. Mild pododermatitis both hind feet. Very clean, well furred feet. Small circle of alopecia 2 mm diameter circle at point of hock right foot only.

Notes;

- Wyatt has gained weight. Recommend decrease his pellets by ¼ cup per day
- Suspect Cheyletiella mites. Jasper, Doc and Johnny have localized areas with small scabs with tufts of fur attached, only around jaws. No alopecia or lesions at mouth/ lip commissures or genitalia. We looked carefully at lesions but did not see any mites moving. Did not see mites on slides of tape tests either.
- Cheyletiella mites are generally species specific. However the rabbit species, *Cheyletiella parasitivorax*, prefers rabbits but can affect other species (dog, cat, people) and is zoonotic. Transmission; direct animal to animal or fomites.
- Today we took some fur samples w scabs for ectoparasite testing at IDEXX. Ordering selamectin for treatment. I will treat the rabbits even if tests come back negative, as mites are not always seen in all samples. Cheyletiella infestation can be asymptomatic. I don't expect issues with either having mites or treatment with topical selamectin.

Thanks very much,
Leslie

Selarid™
(selamectin)



12/5/22
10/22

Selarid
12/30/22

still scabs

Change out all
new of
porous
foam

Selarid
1/11/23

no scabs!

Jarrell, Leslie

From: Jarrell, Leslie
Sent: Sunday, December 4, 2022 11:25 AM
To: [REDACTED]
Cc: Graff, Jaimie; [REDACTED]
Subject: RE: Rabbits - update 11292022- starting treatment w selamectin
Importance: High

Hi [REDACTED]

I have not yet received results from ectoparasite testing at IDEXX. However based on clinical signs and number of rabbits affected, I will treat them as though they are positive for Cheyletiella mites.

I plan to start treatment on Monday afternoon. It is topical selamectin. They will get approximately 12 mg/kg, topically. The frequency is every 2 to 4 weeks. I'd like to start them at every 2 weeks but it is a holiday week.

Schedule will be Monday Dec 5, Tues Dec 27 and Mon Jan 9. Hopefully that will be all that is needed. Regular clean-up should be good.

For animal care staff and lab staff: Be sure not to touch the selamectin when it is wet, with bare hands. Once it is dried, it is OK to touch, about 24 hours. This is not the brand name Revolution (dog/ cat flea/tick topical), but the same compound as Revolution (selamectin). I copied [REDACTED] just in case.

[REDACTED] if possible, if [REDACTED] can help me on Monday, say at 1 pm?

Thanks,
Leslie

From: Jarrell, Leslie
Sent: Tuesday, November 29, 2022 3:57 PM
To: [REDACTED]
Cc: Graff, Jaimie <Graff.Jaimie@epa.gov>; [REDACTED]

Subject: Rabbits - update 11292022

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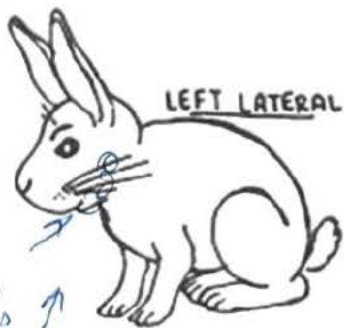
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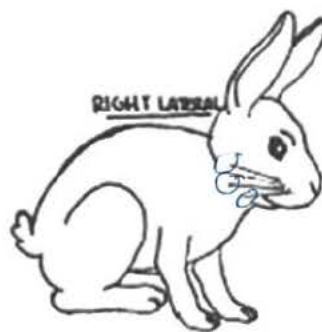
Thanks very much,
Leslie

<p>1. Coat/Fur & Skin Appears normal Scaly Infection Matted Itchy</p> <p>2. Eyes Appears Normal Inflamed Eyelid Deformities Cataract: L R</p> <p>3. Ears Appears Normal Dirty Tumor: L R Excessive Hair</p> <p>4. Nose Appears Normal Other:</p> <p>5. Mouth, Teeth, Gums Appears Normal Tartar Buildup Overgrown Incisors Overgrown Molars Overgrown roots</p> <p>6. Legs & Paws Appears Normal Nail Problems Other:</p> <p>7. Heart Appears Normal Slow Murmur</p> <p>8. Lungs Appears Normal Abnormal Sound Rapid Respiration</p> <p>9. Abdomen Appears Normal Enlarged Organs Fluid</p> <p>10. Gastrointestinal System Appears Normal Stasis/ Impaction Anorexia</p> <p>11. Urogenital System Appears Normal Mammary Tumors Abnormal Testicles</p> <p>12. Weight Normal Heavy By:</p>	<p>TES Annual Blood Work Urinalysis Fecal Examination Spay / Neuter Microchip Skin Scraping Fungal Culture Ear Cytology</p> <p>DED:</p>	<p>RECOMMENDATIONS: <input type="checkbox"/> Cage Change: <input type="checkbox"/> Bedding Change: Change Type <input type="checkbox"/> Diet Change: Please see handout</p>	<p>Tech Initials: Temp: Weight:</p>
<p>Appetite: normal / increased / decreased Water Intake: normal / increased / decreased Coughing: No / Yes, Frequency: Sneezing: No / Yes, Frequency:</p> <p>Urination: normal / increased/decreased Attitude: normal / abnormal Feces: normal / abnormal</p>			
<p>Presented For: Annual exam</p> <p>Historical Issues/ Medications: UTIs, pododermatitis</p> <p>Current Diet: Ltd pellets, unlimited grass hay, fresh veg, treats Ltd</p> <p>Examination: Jasper - see map</p> <p>BARH: Pin point scabs both sides face - no alopecia, no visible lesions but can feel scabs at face near whiskers. Under scabs - inflamed dermatitis. No scurf, no mites seen, ACs roots no purrion. Mass 5g 1cm at sternum, freely movable. Clean but thin fur hind feet; mild alopecia at both hocks, perineum mild pink. weight stable.</p> <p>AP: 1. suspect Cheyletiella - see email will treat w/ selamectin 2. mild pododermatitis.</p> <p>Doctor: Janelle, DVM Need: Rev In: ~ 6 mo or per Days</p>			
DIAGNOSIS OR PROBLEMS	PROGNOSIS	DIFFERENTIAL DIAGNOSIS	PLAN
1. Mites 2. pododermatitis	Good Fair	tx w/ selamectin 1x/month continue to monitor.	
<p>Today's Date: 11/17/22 Chart #: 104 Species/Breed: Rabbit NZW DOB: 5/1/14 Pet's Name: Jasper Last Name: [REDACTED] Color: white Sex: M/F</p>			

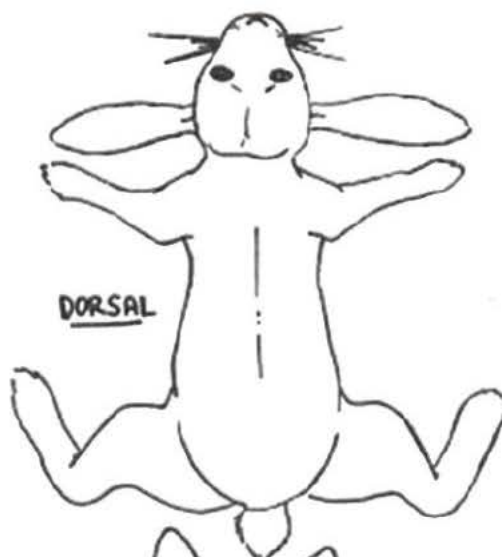
Date 11/7/22
 exams Jasper #104 DOB 5/7/14



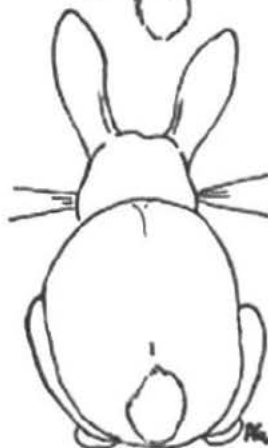
pinpoint
 scabs
 both side
 cheeks
 no alopecia



1cm so
 ST mass
 freely movable
 clear fur bdy
 thin
 alopecia



sl pink
 perineal



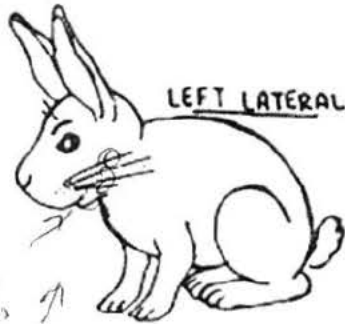
Metrol Animal Clinic, Inc. 423 Uluolu Street, Kailua, HI 96734 808-262-9621

NOV 2021 weight 3.65 kg

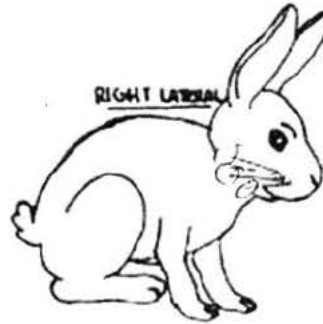
11/17/22 weight 3.85 kg 3.81 kg

Date 11.7/22

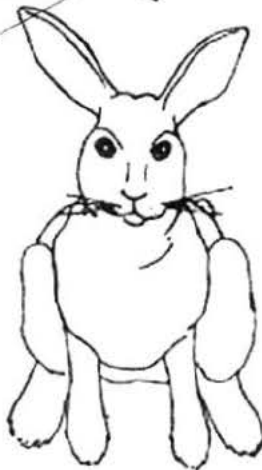
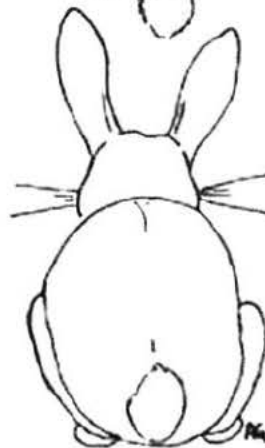
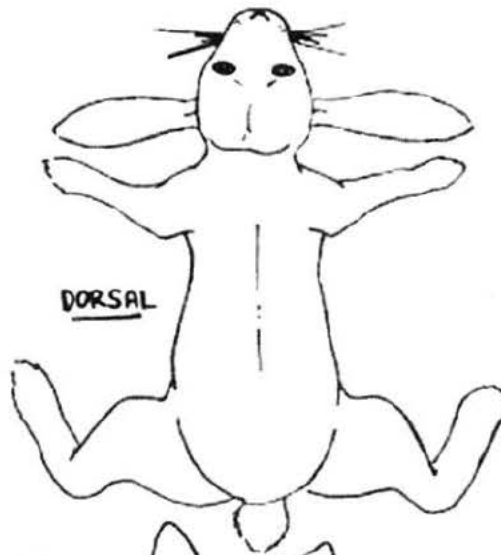
exams Jasper #104 DOB 5/7/14



pinpoint
scabs
both sides
cheeks
no alopecia



1cm so
st mass
freely movable
can fur but
thin
alopecia



st pink
perineal

Kaiser Animal Clinic, Inc. 420 Ukiah Street, Kailua, HI 96734 808-262-9621

Nov 2021 weight 3.65 kg

11/17/22 weight ~~3.85 kg~~ 3.81 kg

AHR Number: 22084Close Date: 7/5/22Room: A 486 B**US EPA RTPP Campus Animal Health Report**

Number: 22084
 Date Found: 06/25/22
 Time Found: 5:00pm
 Found by: Dr. Jarrell
 Room: 486B
 Investigator: XXXXXXXXXX
 LAPR#: 25-04-001
 Species/Strain: Rabbit/NZW
 Sex: Male
 DOB: 05/07/14
 Bred:
 Date Received: 11/05/14
 Animal ID/Cage: 104
 Not much feces in pan.

Treatment Sheet Needed?

Yes ☒ No ☐Date Completed 7/5/22

DATE	TIME		Initials
6/26/22		<p>From last night- 6/26/22, I'm putting an AHR on rabbit 104 Jasper. He didn't have much feces in cage Saturday morning. When I went back to give Saturday PM meds for Doc, Jasper still had scant feces, less than a handful.</p> <p>S/O: Brief exam- no significant findings. BARH. Fecal pellets are small but equal size. Cecotroph in cage A; concern for dysbiosis P; Started critical care slurry, some carrot baby food, monitor. Started treatment sheet.</p>	LJ
6/27/22	9AM + 4PM	<p>Very little feces but BARH. eating lettuce + feed ok, ate critical care. continue critical care.</p>	LJ
6/28/22	9:00AM	<p>BARH. eating drinking fecal one normal sized but lower solid in volume (2).</p>	XXXXXXXXXX
6/29/22	9:10AM	<p>BARH. eating & drinking fecal normal in size but still lower in volume.</p>	XXXXXXXXXX

Rev 10-2019

LJ

5:30pm BARH. Still less feces than other rabbits.

anxious. more cc offered

Has small rabs at cheek not near

ATTACH ANY TREATMENT SHEETS TO RECORD AFTER CLOSURE

teeth →
epilates easily → monitor

BARH = Bright, Alert, Responsive, Hydrated

BNP = (topical) Antibiotic ointment with

Bacitracin, Neomycin, Polymixin

SID = Once daily; BID = Twice daily

Rev 10-2019

JL

6/30/22	9AM	BART - still not as many fecal pellets as normal; acting ok but concern re dehydration	
		Continue Critical care PO BID	8/
7/1/22	930A	Ate all cc. BART. Much more feces + feces on hay - but slightly loose, could be cecotrophes partially. Brief ✓ - no sig issues	
		(A/P) New Oxbow hay today - still many seed heads! Disappointing but ok. New hay ccare plain SID	8/
	5pm	PM NO critical care but shu Normal feces ~ 1/2 handful! He is quick	8/
7/2/22	10:00 AM	Normal feces. gave critical care	
		ate critical care from night before	
	4pm	Normal feces!! 1/2 handful ate cc. BART!	8/
7/3/22	11AM	Normal amt + size feces!!! Ate all cc!	
		A/P Continue CC SID for now	8/
7/4/22	10:00	BART normal amount of feces and size ate all critical from 7/3/22 Eating + drinking normal gave critical care.	

7/5/22 NOON

BART normal feces ate all cc. Resolve

8/

Close Date: _____

US EPA RTPP Campus Animal Health Report

Date Completed _____

Date	Time	Notes	Initials
5/26/22	5pm	See attached sheet	yg

ATTACH ANY TREATMENT SHEETS TO RECORD AFTER CLOSURE

New 6/26/22 #m Jasper

AHR #

Room number 486B

Investigator

25 32

XT 6/26/22

5pm

Jasper has slightly less feces than normal. on exam no abnormalities noted
Gave critical care this AM, did not eat it. Maybe too thick
Ate all veg
Gave more critical care w/ carrot baby food in it.
Monitor

2/2

SUN 6/26/22

9AM

Ate all critical care
normal feces, 1st smaller amt
(AP) continue critical care
gave lettuce
+ carrot Baby
food
Improved fecal amt
monitor, cont cc

2/2

AHR Number: 22084 Jasper Date Opened: 6/26.2
 Room: 486B Date Closed: 7/5/22

NHEERL Animal Treatment Sheet

Species Rabbit Strain NZW
 Sex Male Intact ID# 104 Jasper
 Clinical Diagnosis: Open & feces

Treatment	Route	Volume	Frequency
1. <u>Critical care</u>	<u>SID</u>	<u>- BID</u>	
2. _____			
3. _____			

Date	Time	Notes	Initials
6/25 Sat 6/25/22	5pm	Gave critical care w/ carrot baby food	sj
6/27/22	9AM	Ate all cc	
6/26/22 sj Sunday		more feces in cage, normal size	
		Gave critical care w/ carrot baby food	
		Gave veg + hay stack	sj
	5PM	Ate all cc + has more normal feces	
		Monitor tomorrow	
6/27/22 (sj)		Gave cc	sj
6/28/22 Monday	10AM	SLW [redacted] → Jasper ate all critical care	[redacted]
		Not much feces in new pan	
		Unknown how much feces was in the morning	
		BARH	sj
	3:30 PM	still not much feces	
		Gave fresh veg + critical care	sj

over →

AHR Number:

Date Opened:

Date Closed:

715122

Room:

NHEERL Animal Treatment Sheet

Species

Rabbit

Strain

Nzw

Sex

MI

ID#

Taxes low

Clinical Diagnosis:

At decreased unit fees

Treatment

Route

Volume

Frequency

1.

Critical care

SID

2.

Monitor

Q15

3.

Date	Time	Notes	Initials
7/3/22	11AM	Ate all cc from yesterday Normal amt + size feces Gave critical care IX continue cc. SID	SID
7/4/22	10:00am	gave critical care	
7/5/22	NOON	Ate all cc; normal feces, BARET resolve	SID

Jarrell, Leslie (she/her/hers)

AHR 22073 Jasper

+ DOC

From: [REDACTED]
Sent: Friday, June 17, 2022 1:30 PM
To: Jarrell, Leslie; [REDACTED]
Cc: [REDACTED] Graff, Jaimie; [REDACTED]
Subject: RE: AHR# 22073- Jasper
Importance: High

Funny Doc was never aggressive with the females, and he doesn't want to mount the stuffed bunny. EXCEPT both times I put Jasper in and then pulled him out, I put Miss Kitty in and he mounted right away !

From: Jarrell, Leslie <Jarrell.Leslie@epa.gov>

Sent: Friday, June 17, 2022 1:27 PM

To: [REDACTED]

Cc: [REDACTED]
[REDACTED]
[REDACTED]

Graff, Jaimie <Graff.Jaimie@epa.gov>

Subject: Re: AHR# 22073- Jasper

Will consider.

Thanks,

Leslie

Sent from my iPad

On Jun 17, 2022, at 1:26 PM, [REDACTED] wrote:

FYI : I Think we should exercise Jasper but just by himself, no other rabbit in the pen next door. This way he gets out of the cage.

Thanks,
[REDACTED]

From: [REDACTED]

Sent: Friday, June 17, 2022 1:15 PM

To: Jarrell, Leslie <Jarrell.Leslie@epa.gov>

Cc: [REDACTED]
[REDACTED]
[REDACTED]

Graff, Jaimie <Graff.Jaimie@epa.gov>

Subject: RE: AHR# 22073- Jasper

nope

292000 27055 8m

From: Jarrell, Leslie <Jarrell.Leslie@epa.gov>

Sent: Friday, June 17, 2022 12:59 PM

To: [REDACTED]

Cc: [REDACTED]

[REDACTED] Graff, Jaimie <Graff.Jaimie@epa.gov>

Subject: Re: AHR# 22073- Jasper

Have you noticed any aggression between the others? I have to look up who fought last across the fence.

Thanks,
Leslie

Sent from my iPad

On Jun 17, 2022, at 11:42 AM, [REDACTED] wrote:

No I didn't use him anymore after 2 attempts resulted in the same response.
The stuffed bunny ("Miss Kitty") has been here and used for some time now.
Actually have AV's warming at this moment.
Are you planning to exercise the other 3 (Doc, Johnny, Wyatt) together now ?

From: Jarrell, Leslie <Jarrell.Leslie@epa.gov>

Sent: Friday, June 17, 2022 11:37 AM

To: [REDACTED]

Cc: [REDACTED]

[REDACTED] Graff, Jaimie

<Graff.Jaimie@epa.gov>

Subject: Re: AHR# 22073- Jasper

Hi [REDACTED]

Ok then it will be too stressful for Jasper to use as a teaser. Is the stuffed rabbit here yet?

These rabbits Doc and Jasper, should not be exercised together either. It will be hard to keep Jasper socialized if the other rabbits try to beat him up. He will miss out on social housing. I will draft an exemption.

I will work on a new plan for exercise pen.

Thanks,
Leslie

Sent from my iPad

On Jun 17, 2022, at 10:57 AM, [REDACTED]

[REDACTED] wrote:

Doc was likely the aggressor – he went after Jasper right away when I tried to use him as a teaser – wonder how he got with Jasper ?

From: Jarrell, Leslie <Jarrell.Leslie@epa.gov>

Sent: Thursday, June 16, 2022 4:20 PM

To: [REDACTED]

Cc: [REDACTED]

Graff, Jaimie <Graff.Jaimie@epa.gov>; [REDACTED]

Subject: Re: AHR# 22073- Jasper

Hi all,

Today Doc 110, and Jasper 104, got into the same play pen, and fought. Jasper had a few broken toenails but was ambulating normally and no other issues seen. Testicles OK!!! Abdomen normal, BARH, no other wounds seen.

A; fighting in pen, broken nails

P; Recheck Fri, recheck on Tues or earlier if necessary.

Discontinue all playpen use, for all rabbits, starting now.

Leslie

Sent from my iPad

On Jun 16, 2022, at 2:03 PM, [REDACTED]

[REDACTED] wrote:

Number: 22072

Date Found: 06/16/22

Time Found: 12:45pm

Found by: [REDACTED]

Room: 486B

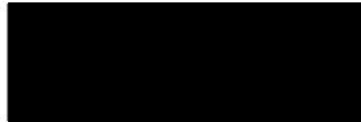
Investigator: [REDACTED]

LAPR#: 25-04-001

Species/Strain: Rabbit/NZW
Sex: Male
DOB: 05/05/18
Bred:
Date Received: 08/02/18
Animal ID/Cage: #110
Abrasion at right ear

Number: 22073
Date Found: 06/16/22
Time Found: 12:45pm
Found by: [REDACTED]
Room: 486B
Investigator: [REDACTED]
LAPR#: 25-04-001
Species/Strain: Rabbit/NZW
Sex: Male
DOB: 05/07/14
Bred:
Date Received: 11/05/14
Animal ID/Cage: #104
Broken nail on right front and right hind paw

Both rabbits were in their separate play pens then 1 rabbit got into the others pen. The ACT came in to do her hourly check on the rabbits and found both in the same pen together, lying beside each other a little out of breath with minor injuries. Both rabbit pens were still closed with no sign of forced entry.



SMALL MAMMA PATIENT EXAMINATION RT CARD

1. Coat/Fur & Skin Appears normal Dull/Dry Scaly Scabs Infection Shedding Matted Tumors Itchy Hair Loss	
2. Eyes Appears Normal Discharge Inflamed Infection Eyelid Deformities Ulcer: L R Cataract: L R	
3. Ears Appears Normal Inflamed: L R Dirty Mites Tumor: L R Infected Excessive Hair Painful	
4. Nose Appears Normal Nasal Discharge Other:	
5. Mouth, Teeth, Gums Appears Normal Broken Teeth Tartar Buildup Tumors Overgrown Incisors Inflamed Lips Overgrown Molars Periodontal Disease Overgrown roots Abscessed	
6. Legs & Paws Appears Normal Joint Problems Nail Problems Lameness Other:	
7. Heart Appears Normal Slow Fast Murmur Irregular	
8. Lungs Appears Normal Coughing Abnormal Sound Congestion Rapid Respiration Dyspnea	
9. Abdomen Appears Normal Abnormal Mass Enlarged Organs Tense/Painful Fluid Swollen	
10. Gastrointestinal System Appears Normal Abnormal Feces Stasis/ Impaction Parasites Anorexia	
11. Urogenital System Appears Normal Abnormal Urination Mammary Tumors Genital Discharge Abnormal Testicles	
12. Weight Normal Obese Heavy By: Thin By:	

TESTS NEEDED:
 Annual Blood Work
 Urinalysis
 Fecal Examination
 Spay / Neuter
 Microchip
 Skin Scraping
 Fungal Culture
 Ear Cytology

RECOMMENDATIONS:
 Cage Change:
 Bedding Change: Change Type
 Diet Change: Please see handout

Tech Initials:
Temp:
Weight:

Appetite: normal / increased / decreased
Water Intake: normal / increased / decreased
Coughing: No / Yes, Frequency:
Sneezing: No / Yes, Frequency:
Urination: normal / increased / decreased
Attitude: normal / abnormal
Feces: normal / abnormal

Presented For: Fighting w/ Jasper Doc

Historical Issues/ Medications: Jasper 104
 Pododermatitis mild, wt loss
 over time, elderly suspect dental issues

Current Diet: Hay Grass, Pellets, Fresh veg, occas treat

Examination:
 Wt 6/13/22 3.84 kg
 5/9/22 3.75 kg

6/16/22 Doc + Jasper got into each other's pen + fought - Jasper -
 had 2 broken toe nails
 - Exam - no other injuries
 seen. Both testicles normal
 Abd normal BARTH
 (A) Fighting - nails were trimmed
 (P) Monitor; resolve on Friday
 if eating well

Doctor: Doctor's name, DVM **Need:** In: Days

DIAGNOSIS OR PROBLEMS	PROGNOSIS	DIFFERENTIAL DIAGNOSIS	PLAN

Today's Date: 6/16/22 **Chart #:** 40 **Species/Breed:** Rabbit / NZW **DOB:** 5/7/14
Pet's Name: Doc 104 **Last Name:** [REDACTED] **Color:** White **Sex:** M/L

Jasper 104

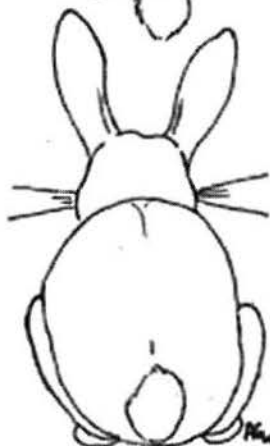
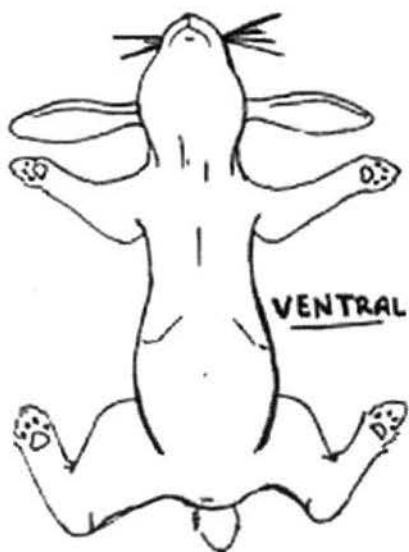
Jasper 06/18/22

BART normal fees behavior w/ w/ Daniel

6/21/22 Recheck BART
Monitor

27

Jasper
104



Karal Animal Clinic, Inc. 420 Uluru Street, Kailua, HI 96734 808-262-9621

6/3/22

Admin RHDV-2 SQ

shoulder ☒ m

SMALL MAMMAL PATIENT EXAMINATION PORT CARD

1. Coat/Fur & Skin	
Appears normal	Dull/Dry
Scaly	Scabs
Itchy	Shedding
Wounded	Tumors
Itchy	Hair Loss
2. Eyes	
Appears Normal	Discharge
Inflamed	Infection
Eyelid Deformities	Ulcer: L. R
Cataract: L. R	
3. Ears	
Appears Normal	Inflamed: L. R
Dirty	Mites
Tumor: L. R	Infected
Excessive Hair	Painful
4. Nose	
Appears Normal	Nasal Discharge
Other:	
5. Mouth, Teeth, Gums	
Appears Normal	Broken Teeth
Tartar Buildup	Tumors
Overgrown Incisors	Inflamed Lips
Overgrown Molars	Periodontal Disease
Overgrown roots	Abscessed
6. Legs & Paws	
Appears Normal	Joint Problems
Nail Problems	Lameness
Other:	
7. Heart	
Appears Normal	Fast
Murmur	Irregular
8. Lungs	
Appears Normal	Coughing
Abnormal Sound	Congestion
Rapid Respiration	Dyspnea
9. Abdomen	
Appears Normal	Abnormal Mass
Enlarged Organs	Tense/Painful
Fluid	Swollen
10. Gastrointestinal System	
Appears Normal	Abnormal Feces
Stasis/ Impaction	Parasites
Anorexia	
11. Urogenital System	
Appears Normal	Abnormal Urination
Mammary Tumors	Genital Discharge
Abnormal Testicles	
12. Weight	
Normal	Obese
Heavy By:	Thin By:

TESTS NEEDED:	RECOMMENDATIONS:	Tech Initials: _____
Annual Blood Work	Cage Change: _____	Temp: _____
Urinalysis	Bedding Change: Change Type	Weight: _____
Fecal Examination	Diet Change: Please see handout	
Spay / Neuter		
Microchip		
Skin Scraping		
Fungal Culture		
Ear Cytology		

Appetite: normal / increased / decreased
Water Intake: normal / increased / decreased
Coughing: No / Yes, Frequency: _____
Sneezing: No / Yes, Frequency: _____

Urination: normal / increased / decreased
Attitude: normal / abnormal
Feces: normal / abnormal

Presented For: Annual exam → add alfalfa
 → exercise

Historical Issues/ Medications: Pododermatitis
Wt loss

Current Diet: timothy, orchard grass, pellets,
fresh veg

Examination:
BARH BCS 2/5 HR 240 RR sniff
Sore muscle over chest Abd - no masses
Thin over hips
mild pododermatitis
→ pencil eraser size lesions,
well furrowed
few scales
alopecia
MM p. moist
(A/P) Elderly male intact NZW
11:55 AM Admin 0.5 ml MedGene RHDV2
vaccine SQ
1pm OK
4pm OK

① weight stable but muscle loss
 ② Pododermatitis
 ③ suspect dental issues : no DX available
 N 3-4 months

Doctor: Doctor's name, DVM Need: _____ In: _____ Days

DIAGNOSIS OR PROBLEMS	PROGNOSIS	DIFFERENTIAL DIAGNOSIS	PLAN
5/10/22 5/9/22		pododermatitis mild	exercise Boster 3 wks
Today's Date: 5/9/22	Chart #: 104	Species/ Breed: NZW Rabbit	DOB: _____
Pet's Name: Jasper 104	Last Name: _____	Color: _____	Sex: _____

SMALL MAMMA PATIENT EXAMINATION REPORT CARD

1. Coat/Fur & Skin Appears normal Scaly Infection Matted Itchy Dull/Dry Scabs Shedding Tumors Hair Loss	TESTS NEEDED: Annual Blood Work Urinalysis Fecal Examination Spay / Neuter Microchip Skin Scraping Fungal Culture Ear Cytology	RECOMMENDATIONS: Cage Change: _____ Bedding Change: Change Type Diet Change: Please see handout	Tech Initials: _____ Temp: _____ Weight: 3.84 kg
2. Eyes Appears Normal Inflamed Eyelid Deformities Cataract: L R Discharge Infection Ulcer: L R	Appetite: normal / increased / decreased Water Intake: normal / increased / decreased Coughing: No / Yes, Frequency: _____ Sneezing: No / Yes, Frequency: _____ Urination: normal / increased / decreased Attitude: normal / abnormal Feces: normal / abnormal		
3. Ears Appears Normal Dirty Tumor: L R Excessive Hair Inflamed: L R Mites Infected Painful	Presented For: <u>Diarrhea</u>		
4. Nose Appears Normal Other: _____ Nasal Discharge	Historical Issues/ Medications: <u>Jasper #104</u>		
5. Mouth, Teeth, Gums <u>NE</u> Appears Normal Tarter Buildup Overgrown Incisors Overgrown Molars Overgrown roots Broken Teeth Tumors Inflamed Lips Periodontal Disease Abscessed	Current Diet: <u>veg hay, pellets, treat</u> <u>4/12/22</u>		
6. Legs & Paws Appears Normal Nail Problems Other: _____ Joint Problems Lameness	Examination: <u>BARH. Normal feces in pan. feet</u>		
7. Heart <u>NE</u> Appears Normal Slow Murmur Fast Irregular	<u>Some night feces in cage Abd uncl.</u> <u>NO pain on palpation ~ masses. Happiswell</u> <u>(A) Night feces in cage.</u>		
8. Lungs <u>NE</u> Appears Normal Abnormal Sound Rapid Respiration Coughing Congestion Dyspnea	<u>PLO arthritis; mild stasis</u> <u>(P) Monitor feces + appetite</u>		
9. Abdomen Appears Normal Enlarged Organs Fluid Abnormal Mass Tense/Painful Swollen	<u>4/13/22 Recheck. Eating well. Normal feces in</u> <u>pan. BARH. continue to monitor</u>		
10. Gastrointestinal System Appears Normal Stasis/ Impaction Anorexia Abnormal Feces Parasites			
11. Urogenital System Appears Normal Mammary Tumors Abnormal Testicles Abnormal Urination Genital Discharge			
12. Weight <u>3.84 kg</u> Normal Heavy By: _____ Obese Thin By: _____	Doctor: <u>Janel</u> Doctor's name, DVM Need: _____ In: _____ Days		
DIAGNOSIS OR PROBLEMS	PROGNOSIS	DIFFERENTIAL DIAGNOSIS	PLAN
<u>Night feces</u> <u>4/12/22 SD</u>	<u>monitor</u>	<u>Monitor</u>	<u>ReV 1 week</u>
Today's Date: <u>4/8/22</u> Pet's Name: <u>Jasper</u>	Chart #: _____ Last Name: _____	Species/ Breed: <u>Rabbit</u> Color: _____	DOB: _____ Sex: _____

AHR Number: 22037Close Date: 4/18/22Room: A 486 B**US EPA RTPP Campus Animal Health Report**

Treatment Sheet Needed?

Yes ☐ No ☒

Date Completed _____

Number: 22037

Date Found: 04/12/22

Time Found: 7:50am

Found by: [REDACTED]

Room: A486B

Investigator: [REDACTED]

LAPR#: 25-04-001

Species/Strain: Rabbit/NZW

Sex: Male

DOB: 05/07/14

Bred:

Date Received: 11/05/14

Animal ID/Cage: 104

Diarrhea

Date	Time		Initials
4/12/22	12:00PM	<p>S; diarrhea</p> <p>O; Jasper's weight today is 4.83 kg. Recent weights were around 4.73 kg. Eating normally. Bright, alert, responsive and hydrated. Normal feces in pan, normal amount. Normal urine in pan. Few night feces/ cecotrophs in cage and a little on his perineum. No mats, no staining. Normal material in his scent glands. Body condition score quite thin. Thin muscle over ribs, spine and hips. Abdomen within normal limits, no masses, no pain on palpation, stomach palpates normal.</p> <p>A: Night feces/ cecotrophs in cage. DDX- arthritis (unable to turn and eat them), age, other, possible mild stasis.</p> <p>P: Gave him a treat which he immediately ate. Suspect isolated event. Monitor. Recheck next week, or sooner as indicated.</p>	LJ
4/14/22	9:10 am	<p>B A R H Eating and drinking and playing</p> <p>Stools are normal</p>	[REDACTED]

Rev 10-2019

LJ

BARH = Bright, Alert, Responsive, Hydrated
 BNP = (topical) Antibiotic ointment with
 Bacitracin, Neomycin, Polymixin
 SID = Once daily; BID = Twice daily

Rev. 10-2019

AHR 22037

Room No. A 486B

Investigator _____

4/15/22	9:25 AM	BARIH eating and drinking. No diarrhea.	
4/16/22	9:50 AM	BARIH eating & drinking no diarrhea AAR closed Issue resolved	

AHR Number: 21092Close Date: 1/7/22Room: A 486B**US EPA RTPP Campus Animal Health Report**

AHR: 21092

Date : 7/14/21

Time 12:00pm

Investigator: [REDACTED]

ACUP: 22-04-001

Animal room: A 486B

Technician: [REDACTED]

Species/Strain: rabbit /NZ

Animal I/D/cage #: 104

Sex: M

DOB: 5/7/14

Date received: 11/05/14

Gradual weight loss

Jasper

Treatment Sheet Needed?

Yes ☒ No ☐

Date Completed _____

Date	Time	Notes	Initials
7/14/21	12:30pm	Male rabbit that has had a gradual weight loss since the 1/4/21 weight was 3.97Kg and is now 3.55Kg P: Critical care 1x a day 2x,s a week	[REDACTED]
7/15/21	11:00AM	BARH eating & drinking	[REDACTED]
7/19/21	1:00pm	BARH eating & drinking wt 3.58kg	[REDACTED]
7/21/21	1:00pm	BARH eating & drinking	[REDACTED]
7/22/21	11:00AM	BARH eating & drinking	[REDACTED]
7/23/21	12:00pm	BARH eating & drinking	[REDACTED]

Rev 10-2019
LJBARH = Bright, Alert, Responsive, Hydrated
BNP = (topical) Antibiotic ointment with
Bacitracin, Neomycin, Polymixin
SID = Once daily; BID = Twice daily

ATTACH ANY TREATMENT SHEETS TO RECORD AFTER CLOSURE

AHR # 21092Room number A 486B

Investigator

7/24/21	11:00am	BARH	Eating & drinking	
7/27/21	12:00pm	BARH	Eating & drinking	
7/29/21	12:00pm	BARH	Eating & drinking	
7/30/21	1:00pm	BARH	Eating & drinking out of critical care	
8/3/21	1:00pm	BARH	Eating & drinking weight stable.	
8/9/21	12:45pm	BARH	Eating & drinking wt 3.59 kg Same weight as last week	
8/11/21	1:00pm	BARH	Eating & drinking	
8/12/21	1:30pm	BARH	Eating & drinking	
8/13/21	1:10pm	BARH	Eating & drinking	
8/16/21	2:00pm	BARH	Eating & drinking 3.65 kg	
8/17/21	2:00pm	BARH	Eating & drinking	
8/18/21	11:30AM	BARH	Eating & drinking	
	11:30AM	BARH	Eating & drinking	
8/20/21	2:00pm	BARH	Eating & drinking	
8/24/21	1:30pm	BARH	wt 3.65 kg Eating drinking	
8/25/21	1:00pm	BARH	Eating & drinking	
8/30/21	1:30pm	BARH	Eating & drinking wt 3.67 kg	

BARH ✓ Monitor

8/8

9/2/21 1:30pm BARH Eating & Drinking

10:45 AM

9/7/21 BARTH eating + drinking
wt 3.62kg weight stable,
gave critical care

9/8/21 11:50 AM BARTH eating and drinking
gave critical care

9/10/21 1:30 PM BARTH eating + drinking

9/13/21 11:40 AM BARTH eating + drinking
weight 3.66 kg weight stable.

9/21/21 9:00 AM BARTH eating + drinking

9/21/21 BARTH unchanged. Monitor. 3.65 kg

9/23/21 BARTH eating and drinking

9/24/21 2:30 PM BARTH eating and drinking

9/27/21 BARTH

1:06 PM eating and drinking
weight 3.66 kg stable

9/28/21 BARTH same as above

9/30/21 12:40 PM BARTH eating + drinking

10/4/21 11:20 AM BARTH eating + drinking
wt 3.24 kg weight is stable.

10/7/21 BARTH eating and drinking
gave critical care

10-12-21 BARTH eating + drinking

10-14-21 BARTH eating + drinking

AHR: 21092 Animal ID#: 104 Room: A486B Investigator: [REDACTED]

Date	Time	Initials	Notes
10-15-21	12:45pm	[REDACTED]	BARH eating + ^{rw} drink drinking
10-18-21	11:50 AM 11:50pm	[REDACTED]	BARH eating + drinking wt. 3.63 kg wt stable
10-19-21	11:00 AM	[REDACTED]	BARH eating and drinking
10-20-21	11:20 AM	[REDACTED]	BARH eating and drinking Nails clipped
10/21/21	1:00pm	[REDACTED]	BARH eating and drinking
10/22/21	1:30pm	[REDACTED]	BARH eating and drinking
10/25/21	11:25 AM	[REDACTED]	BARH eating and drinking weight 3.63 kg
10/27/21	11:30 AM	[REDACTED]	BARH eating and drinking feces normal
10/28/21	12:55	[REDACTED]	BARH eating + drinking
10/29/21	1:00pm	[REDACTED]	BARH eating + drinking
11/1/21	12:00pm	[REDACTED]	BARH wt 3.56 kg eating + drinking weight stable
11/3/21	11:30 AM	[REDACTED]	BARH eating and drinking normal
11/5/21	1:00pm	[REDACTED]	BARH eating and drinking feces normal
11/8/21	1:30pm	[REDACTED]	
	1:00pm RW	[REDACTED]	BARH eating + drinking
11/10/21	12:00pm	[REDACTED]	BARH eating + drinking
11/12/21	12:20pm	[REDACTED]	BARH eating + drinking
11/15/21		[REDACTED]	BARH eating + drinking

11/16/21 11:00 BARTH eating & drinking

11/18/21 12:00pm BARTH eating and drinking

11/19/21 2:00pm BARTH eating and drinking

11/22/21 BARTH eating & drinking
weight stable

11/23/21 BARTH eating & drinking

11/30/21 BARTH monitor TJ

12/02/21 5:00 BARTH. Exam today

Rabbit is very thin; feet OK;
very little muscle back / hips / legs
some urine on fur but not skin

(AIP) Hospice - supportive care. critical care 2x week
Monitor TJ
see chart

12/8/21 BARTH eating and drinking
feels normal

12/15/21 BARTH eating & drinking
~~wt 4.0~~ 3.70 kg

12/17/21 BARTH. Muscle tone OK; over ribs + back +
hind legs
Revis 2 weeks or earlier as needed
Lfanell DVM

2/21/24 BARTH Jasper lost wt this past week
he is eating & drinking. wt 3.66 kg
last week he was 3.70 kg

AHR # 21092Room number 21092

Investigator

12/21/21	8:54 AM	BAR H, Behavior is active today. Eating & drinking	
12/22/21	9:11 AM	BAR H BAR H Eating & drinking, Behavior is normal	
12/27/21	9:50 AM	BAR H Eating and drinking feces are normal Behavior is normal.	
12/30/21	11:30 AM	BAR H Eating & drinking behavior - normal	
1/3/22	1:10 pm	BAR H Eating & drinking	
1/9/22	10:00 AM	BAR H Eating and drinking weight is stable weight the same as beginning of last year +12 1/2 lb. AHR is closed Issue is resolved	

AHR Number: 21092Date Opened: 7/11/21Room: A 486B

Date Closed: _____

US EPA RTP Animal Treatment Sheet

Species rabbitStrain NZSex MID# 104Clinical Diagnosis: weight loss

Treatment	Route	Volume	Frequency
1. Give critical care		1x	qday 2x a week
2.			
3.			

Date	Time	Initials	Notes
7/14/21	12:30		critical care <input checked="" type="checkbox"/>
7/15/21	12:00		critical care <input checked="" type="checkbox"/>
7/19/21	1:00pm		Gave critical care <input checked="" type="checkbox"/>
7/22/21	11:00AM		critical care <input checked="" type="checkbox"/>
7/26/21	11:00AM		critical care <input checked="" type="checkbox"/>
7/30/21			out of critical care R/O
8/12/21	1:30pm		critical care R/O
8/13/21	1:08pm		critical care
8/14/21	2:00pm		critical care
8/18/21	11:20AM		Gave critical care
8/19/21	1:30pm		Gave critical care
8/24/21	1:30pm		Gave critical care
8/25/21	2:00pm		Gave critical care
8/31/21	1:30pm		Gave critical care
8/31/21	1:30pm		Gave critical care
9/7/21	10:40AM		Gave critical care
9/8/21	11:45AM		Gave critical care
9/13/21	11:30AM		Gave critical care
9/14/21	12:15		Gave critical care
9/22/21	12:30		Gave critical care
9/28/21	11:15AM		Gave critical care

Date	Time	Initials	Notes
9/30/21	12:45		Gave critical care
10/5/21	1:00pm		Gave critical care
10/12/21	11:00am		Gave critical care
10/14/21	11:30am		Gave critical care
10/15/21	11:50am		Gave critical care
10/21/21	1:00pm		Gave critical care
10/27/21	11:22am		Gave critical care
10/28/21	12:50pm		Gave critical care
11/1/21	11:45		Gave critical care
11/5/21	1:00pm		Gave critical care
11/8/21	1:00pm		Gave critical care
11/12/21	12:20pm		Gave critical care
11/16/21	11:00pm		Gave critical care
11/18/21	12:00		Gave critical care
11/23/21	12:26		Gave critical care
11/25/21	11:22am		Gave critical care

CTM = Continue monitoring

SMALL MAMMAL PATIENT EXAMINATION REPORT CARD

1. Coat/Fur & Skin Appears normal Scaly Infection Matted Itchy	Dull/Dry Scabs Shedding Tumors Hair Loss
2. Eyes Appears Normal Inflamed Eyelid Deformities Cataract: L R	Discharge Infection Ulcer: L R
3. Ears Appears Normal Dirty Tumor: L R Excessive Hair	Inflamed: L R Mites Infected Painful
4. Nose Appears Normal Other:	Nasal Discharge
5. Mouth, Teeth, Gums Appears Normal Tartar Buildup Overgrown Incisors Overgrown Molars Overgrown roots	Broken Teeth Tumors Inflamed Lips Periodontal Disease Abscessed
6. Legs & Paws Appears Normal Nail Problems Other:	Joint Problems Lameness
7. Heart Appears Normal Slow Murmur	Fast Irregular
8. Lungs Appears Normal Abnormal Sound Rapid Respiration	Coughing Congestion Dyspnea
9. Abdomen Appears Normal Enlarged Organs Fluid	Abnormal Mass Tense/Painful Swollen
10. Gastrointestinal System Appears Normal Stasis/ Impaction Anorexia	Abnormal Feces Parasites
11. Urogenital System Appears Normal Mammary Tumors Abnormal Testicles	Abnormal Urination Genital Discharge
12. Weight Normal Heavy By:	Obese Thin By:

TESTS NEEDED: <input type="checkbox"/> Annual Blood Work <input type="checkbox"/> Urinalysis <input type="checkbox"/> Fecal Examination <input type="checkbox"/> Spay / Neuter <input type="checkbox"/> Microchip <input type="checkbox"/> Skin Scraping <input type="checkbox"/> Fungal Culture <input type="checkbox"/> Ear Cytology	RECOMMENDATIONS: Cage Change: Bedding Change: Change Type Diet Change: Please see handout	Tech Initials: _____ Temp: _____ Weight: _____
---	---	--

Appetite: normal / increased / decreased Water Intake: normal / increased / decreased Coughing: No / Yes, Frequency: _____ Sneezing: No / Yes, Frequency: _____	Urination: normal / increased/decreased Attitude: normal / abnormal Feces: normal / abnormal
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Presented For: Jasper #104 12/17/21

Historical Issues/ Medications: Rev

Current Diet:

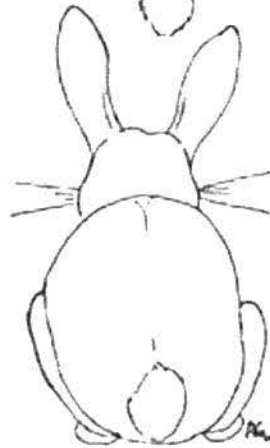
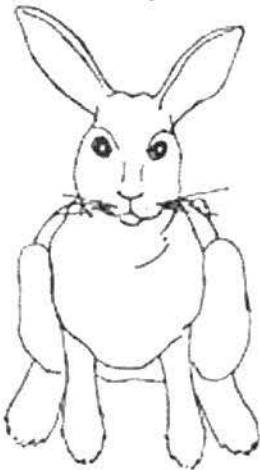
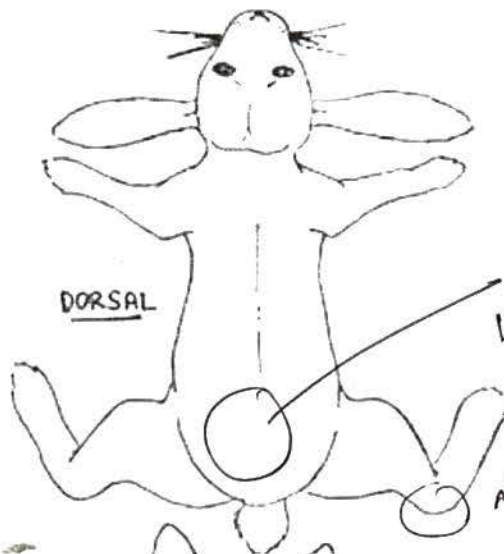
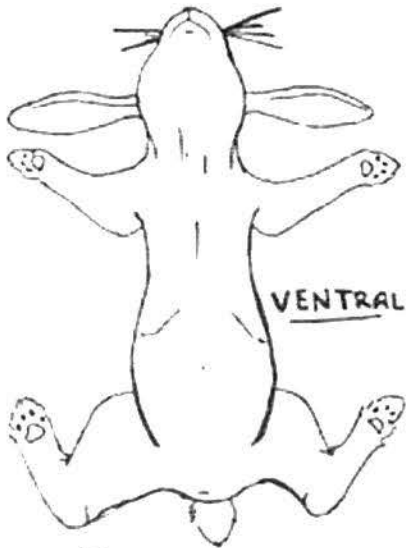
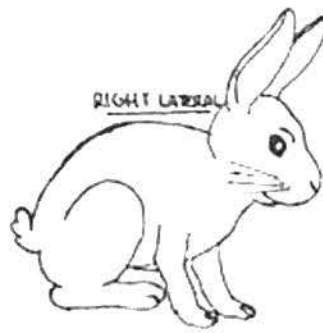
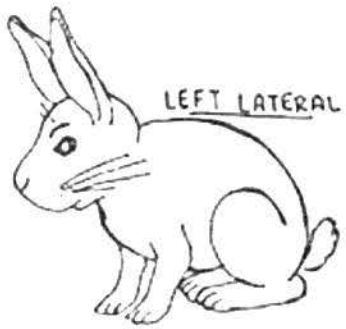
Examination: S/O BARTH: muscles over ribs - good muscle; spine - ok; no other issues. Small skin SO mass @ ribs
A/P Rev 2 wks or earlier

L. Daniel DVM

DIAGNOSIS OR PROBLEMS	PROGNOSIS	DIFFERENTIAL DIAGNOSIS	PLAN

Today's Date: 12/17/21 Chart #: Species/ Breed: DOB: Pet's Name: Jasper Last Name: Color: Sex:

Jasper



Mastal Animal Clinic, Inc. 420 Junipero Street, Kailua, HI 96734 808/262-1661

142421

BART

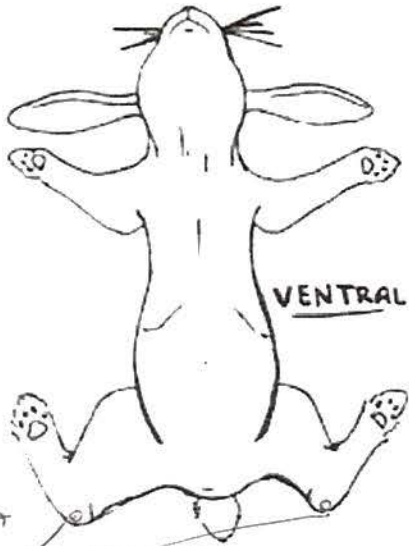
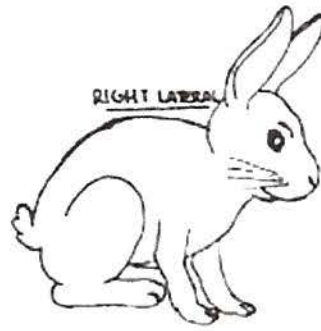
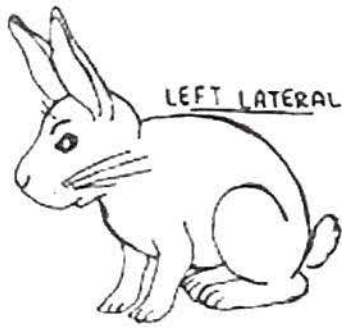
very thin

Jasper
104

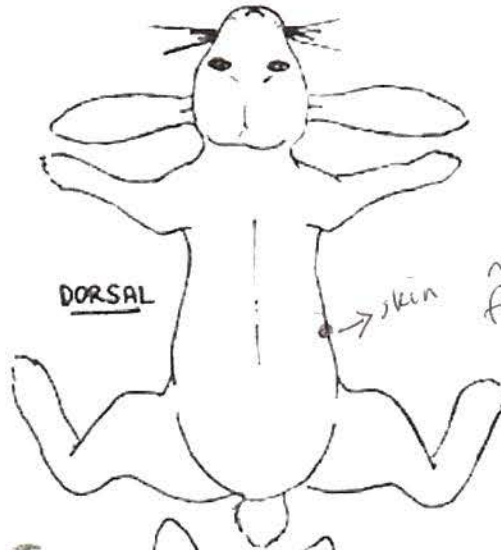
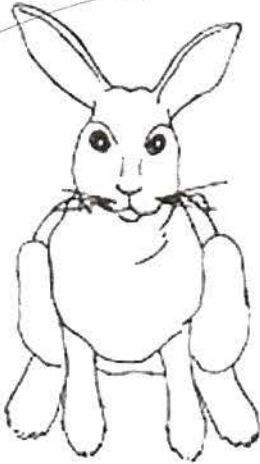
Jasper

4/28/2021

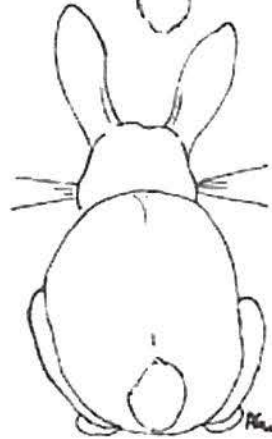
#104



thin fur
→
2 mm
alopecia



~ 3 mm diam
mass →
freely movable
monitors



Marginal Anoma D. Inc. Inc. 400 Umiu Street, Kailua, HI 96734 808-260-5601

no other masses

Jarrell, Leslie

From: Jarrell, Leslie
Sent: Wednesday, April 28, 2021 4:12 PM
To: [REDACTED]
Cc: [REDACTED] [Graft, Jamie](#)
Subject: Rabbits update 04282021

Hi all,
[REDACTED] and I did the rabbit exams today.

1. Tex 101. DOB 5/7/14. Weight 4/26/21= 3.85 kg. Weight 4/27/2020= 4.1 kg. Brief exam. BARH. Mild pododermatitis both hind feet, fur is thin but clean on ventral surface of feet, small areas of alopecia about 2 mm diameter circle at point of hock both feet, small rectangular areas about 1.5 cm long adjacent of alopecia.
2. Leo 102. DOB 5/7/14. Weight 4/26/21= 3.72 kg. Weight 4/27/2020= --checking-- kg. Brief exam. BARH. Very mild pododermatitis both hind feet. Fur is thin but clean on ventral surface of feet, circle of alopecia about 3- 4 mm diameter circle at point of hock both feet, small thin rectangular areas about 1 cm long adjacent of alopecia.
3. Jasper 104. DOB 5/7/14. Weight 4/26/21= 3.66 kg. Weight 4/27/2020= 3.96 kg. Brief exam. BARH. Very mild pododermatitis both hind feet. Fur is thin but clean on ventral surface of feet, circle of alopecia only 2 mm diameter circle at point of hock both feet. Small about 3 mm diameter skin / subcutaneous mass, freely movable, right lateral chest. Monitor
4. Trixie 105. DOB 5/7/14. Weight 4/26/21= 4.77 kg. Weight 4/27/2020= 4.78 kg. Brief exam. BARH. Mild pododermatitis both hind feet. Fur is thin but clean on ventral surface of feet, circle of alopecia about 3 mm diameter circle at point of hock both feet. Left hind foot has rectangular area of alopecia on lateral side of foot, no scabs or inflammation. Right hind foot has thin rectangular area of alopecia adjacent to circle. No scabs. Non-painful on abdominal palpation, uterus is enlarged, bladder palpable. A/P: Suspect uterine cancer due to age and exam. Monitor
5. Daisy 108. DOB 9/2/15. Weight 4/26/21= 3.81 kg. Weight 4/27/2020= 3.82 kg. Brief exam. BARH. Very mild pododermatitis both hind feet. Feet are very well furred. Circle of alopecia about 2 mm diameter circle at point of hock both feet. Non-painful on abdominal palpation, uterus is enlarged or thickened. Soft abdomen. A/P: Suspect uterine cancer due to age and exam. Monitor
6. Wyatt 109. DOB 5/5/18. Weight 4/26/21= 3.66 kg. Weight 4/27/2020= 3.68 kg. Brief exam. BARH. Mild pododermatitis both hind feet. Feet are dirty but very well furred. Small circle of alopecia only 2 mm diameter circle at point of hock both feet.
7. Doc 110. DOB 5/5/18. Weight 4/26/21= 3.44 kg. Weight 4/27/2020= 3.34 kg. Brief exam. BARH. Mild pododermatitis both hind feet. Very clean, well furred feet. Small circle of alopecia 2 mm diameter circle at point of hock both feet.
8. Johnny 111. DOB 5/5/18. Weight 4/26/21= 3.53 kg. Weight 4/27/2020= 3.48 kg. Brief exam. BARH. Mild pododermatitis both hind feet. Very clean, well furred feet. Small circle of alopecia 2 mm diameter circle at point of hock both feet.

Several rabbits had small scabs with tufts of fur attached behind ear or on neck. No skin lesions associated with these, no itching. Skin underlying appeared normal. Unknown cause. Took a few tufts with scab for fungal culture (dermatophyte) and a few tufts with scab for PCR. Am not suspecting anything exciting.

Thanks very much,
Leslie

11:25 AM awake sl. sedate

11:35 AM ~~not~~ mild - moderate sedation

Rabbit- Jasper #104

- Date 11/23/2020
- Weight 3.90 kg
- Procedure= Sedation for recheck clip nails
 - Midazolam 0.5 - 1mg/kg IN SQ
 - ☒ Midazolam 0.75 mg/kg x 3.9 kg = 2.9 mg
 - ☒ 2.9 mls at 11:19 AM
 - ☒ Buprenorphine 0.01 mg/kg x 3.9 kg = .04 mg
 - ☐ 0.04 mg x 1 ml / 0.3 mg = 0.13 ml SQ
 - ☒ 0.13 mls SQ at 11:19 AM *got 1/2*
 - Reversal (midazolam) Flumazenil
 - Reversal (midazolam) Flumazenil at 0.05 to 0.1 mg/kg SQ IM
 - ☒ Flumazenil 0.1 mg/kg x 3.90 kg = 0.39 mg
 - ☐ 0.39 mg x 1 ml / 0.1 mg = 3.9 mls *to 0.05*
 - ☒ 2.9 mls at 11:46 AM
- Exam 10/19/20 Jasper; Better and more fur on feet, more fur on feet.
- Left hind foot - minimal alopecia
- Right hind foot - 5 mm diameter alopecia circle at point of hock, small rectangle of alopecia

① 5x8mm alopecia clean + *small rectangle* *fung* *2mm* *1cm* *abs*
R 6x8mm circle *same* *furred mostly*

Doses TIME

- ☐ Saline= 100 mls / kg / day approx
- ☐ 100 mls x 3.90 kg = 390 mls saline at

- ☐ Notes Iso box 11:31 AM
off iso awake 11:46 AM
awake

☒ Nails trimmed?

☒ Map lesions?

☒ Recheck when? *march - may*

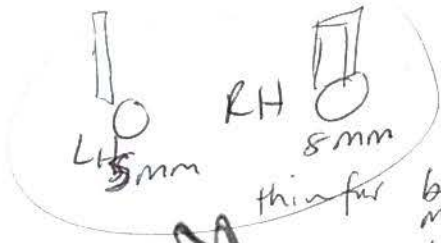
☒ Log midazolam ☒

+ bup got 1/2.

☒

*mats at ① hind leg
to skin*

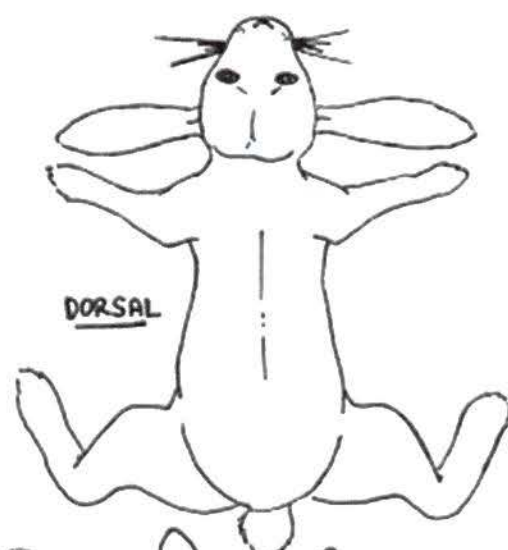
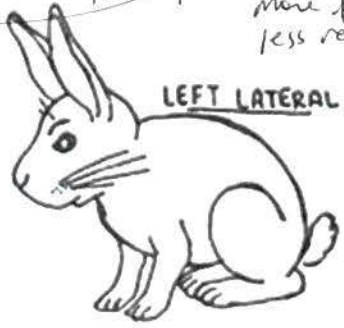
mats



Jasper

10/18/20 Mon

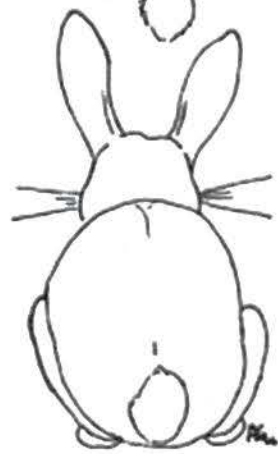
better fur
more fur
less rectangle to side



①
fur not
clean



②
very
furry
tiny area
stripe of
alopecia
around
5mm
no scales



JASPER

LOG
BUP + MIDAZ
D

RABBIT SEDATION AND ANESTHESIA

- Date 8/25/2020 TUES
- Rabbit name JASPER
- Rabbit # _____
- Weight 4.0 kg
- Procedure clip/clean/nails/rev
- Options:
 - Midazolam 0.2- 0.5 mg/kg (max 1 mg/kg for profound sedation) with Buprenorphine 0.01- 0.05 mg/kg
 - Buprenorphine by itself 0.01- 0.05 mg/kg
 - Midazolam and buprenorphine and ketamine (ket at 2 mg/kg- 5 mg/kg)
 - Reversal (midazolam) Flumazenil at 0.05 to 0.1 mg/kg SQ IM IV
- Start at Midazolam 0.25 mg/kg and Buprenorphine 0.02 mg/kg
- VIN rabbit sedation- start at Midazolam 0.3 mg/kg and buprenorphine 0.03 mg/kg
 - Reversal- Flumazenil _____ mg/kg x _____ kg= _____ mg
 - _____ mg x 1 ml/ 0.1 mg= _____ mls

✓ R Hind foot

✓ clip ~~max~~

✓ clean

✓ nails

✓ Map ✓ / Rev

8/25/2020 PLAN

R ~ 8mm

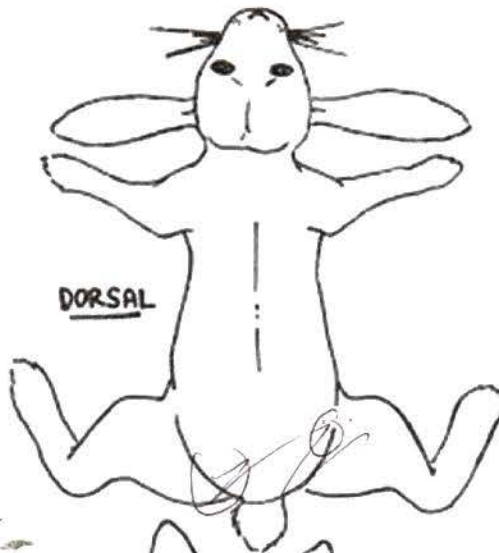
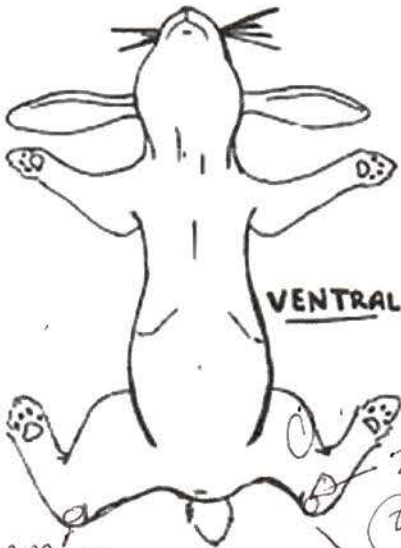
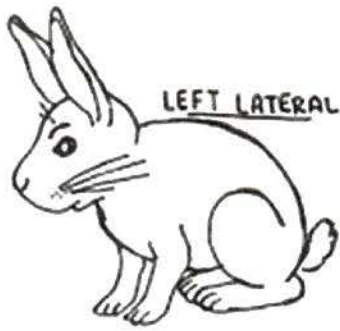
L ~ 5 mm + 2mm rectangular area
thin fur

Rev 2 months

- Doses** **TIME**
 - ☐ Midazolam 0.1 mg/kg x _____ kg= _____ mg
 - ☐ _____ mg x 1 mg/ml= _____ ml AT _____
 - ☐ Midazolam 0.2 mg/kg x _____ kg= _____ mg
 - ☐ _____ mg x 1 mg/ml= _____ ml AT _____
 - ☐ Midazolam 0.3 mg/kg x _____ kg= _____ mg
 - ☐ _____ mg x 1 mg/ml= _____ ml AT _____
 - ☐ Buprenorphine 0.01 mg/kg x 4 kg= 0.04 mg
 - ☐ 0.04 mg x 1 ml/0.3 mg= 0.13 ml AT _____
 - ☐ Buprenorphine 0.02 mg/kg x 4 kg= 0.08 mg
 - ☐ 0.08 mg x 1 ml/0.3 mg= 0.26 ml AT _____
 - ☐ Buprenorphine 0.03 mg/kg x 4 kg= 0.12 mg
 - ☐ 0.12 mg x 1 ml/0.3 mg= 0.4 ml AT _____
 - ☐ Ketamine _____ mg/kg x _____ kg= _____ mg
 - ☐ _____ mg x 1 ml/ 100 mg= _____ ml AT _____
 - ☐ Isoflurane at _____
 - ☐ Saline= 100 mls/ kg/ day approx
 - ☐ 100 mls x 4 kg= 400 mls saline at _____
- ⇒ plan for 100-150 mls SQ D

JASPER

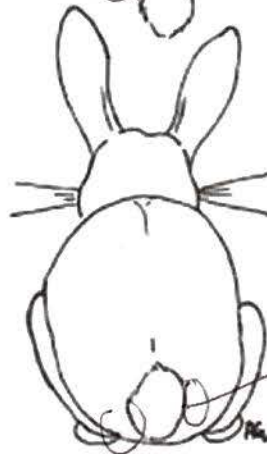
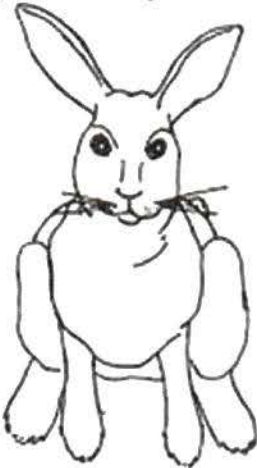
TUES
8/25



(P)

8mm

2mm
hair
fur
5mm



few small
nails

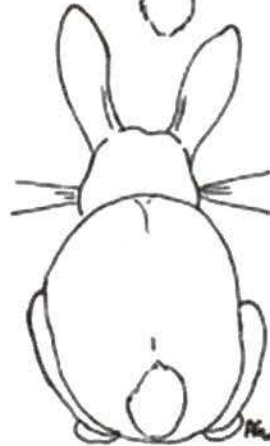
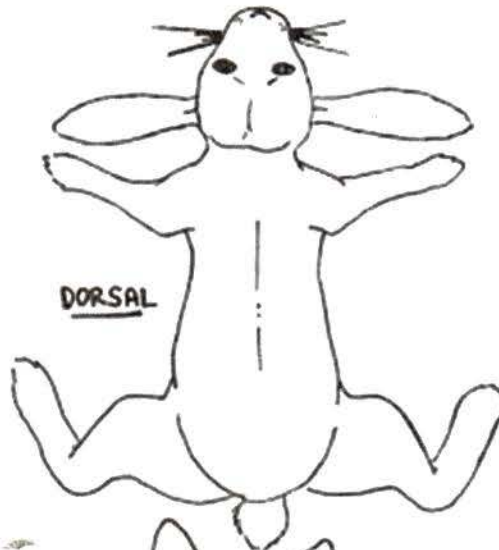
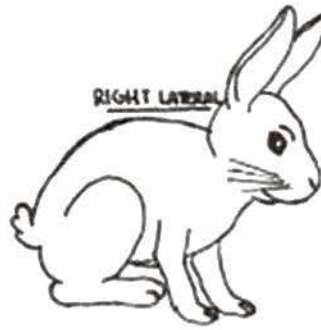
Maral Animal Clinic, Inc. 420 Ulukou Street, Kailua, HI 96734 808-262-9621

JASPER 8/25/2020 WT=4 kg

Last ✓ = Check mild pod (R) hind w/ scd
7/17/20 ~ 5mm

better.
see above

Jasper



very
dried
fees + hairs
perineal

perineal
crosses
ut scabs
Macrod
shades

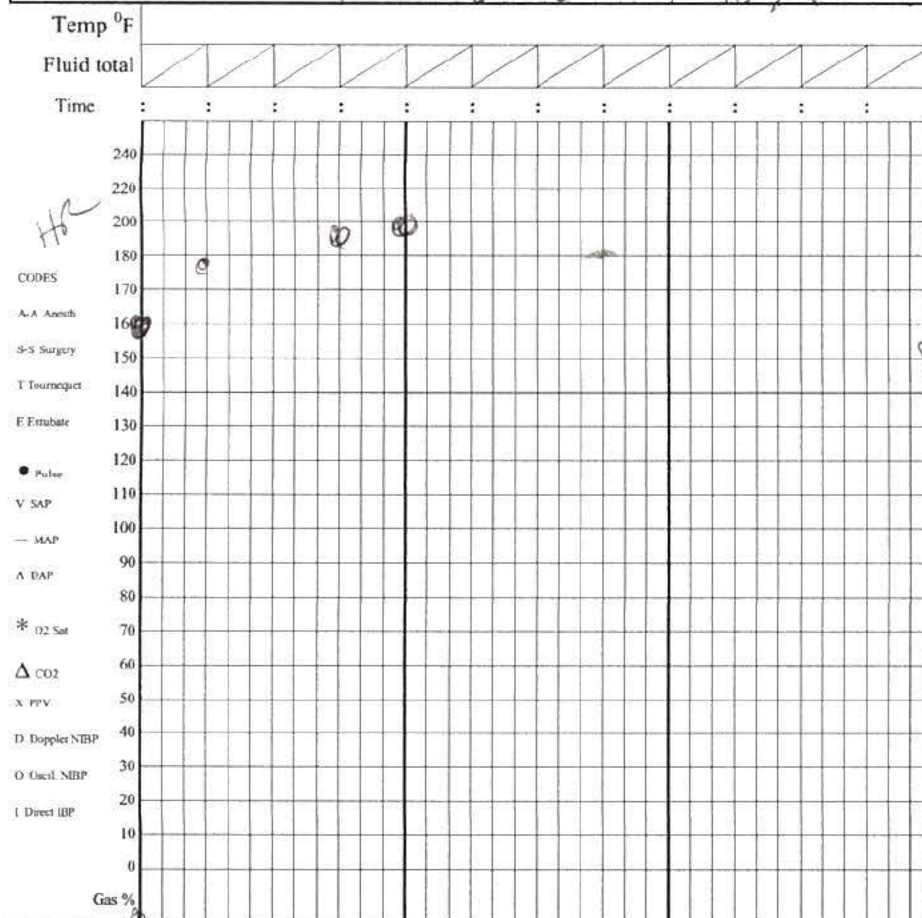
Matani Animal Clinic, Inc. 420 Uluolu Street, Kailua, HI 96734 808-262-9621

Jasper 7/27/2020

firm nails ☒

4.14 kg

Please X all meds when given		Anesthesia Record		Date 7/27/2020
				-E Sheet Printed? Yes-No
Client	Surgeon	Anesthesia Technicians	Procedures	
Animal Jasper		L Jamel	sedate / unres /	
Body Weight 4.14 kg Kg Lbs.	MM Color/CRT/Pulse	Physical Status E G F P C	clip / clean	
Species Rabbit	Age/Sex MI	Mental Status	Lab Tests - List pertinent abnormalities below	
Premed Drugs, Dose, Route, Time		Premed Effect		
Ketamine SQ → 10:40 AM		good 11:02		
Buprenorphine SQ				
Induction Agent	Amount Drawn Up	Route	Unused Amount	
ISO 102	—	box - make	—	
Drug, Dose, Route, Time	Drug, Dose, Route, Time	Drug, Dose, Route, Time	Drug, Dose, Route, Time	
—	—	—	—	
Inhalant use - Isoflurane / Sevoflurane / None	Inhalant System	Reservoir Bag Size	ET Tube Size	
Box 11:02	Adult Circle / Ped Circle / Bain W/Block	—	—	
SQ IV Catheter Size	SQ XIV Fluid Type	Total Fluids Given	Comments/Alerts	
—	100 ml/kg/day →	50 ml SQ	—	



Notes

Ketamine 5mg/kg
 4.14 kg = 20.7 mg
 21 mg x $\frac{1 \text{ ml}}{100 \text{ mg}} = 0.21 \text{ ml}$

Buprenorphine Bottle 1
 0.03 mg/kg x 4.14 kg
 0.12 mg x $\frac{1 \text{ ml}}{0.3 \text{ mg}} = 0.4 \text{ ml}$

Saline 2525-50
 100 ml/kg/day
 gave 100 - 200 ~ 150 ml
 50 mg

Dmeloxicam 0.5 mg/kg
 x 4.14 kg =
 2.2 mg x $\frac{1 \text{ ml}}{5 \text{ mg}} = 0.44 \text{ ml}$

11:07 30s	Recovery Notes 15 20 off 11:24 AM	T.P.R.	MM,CRT	Post OP Meds/Dose/Route/Time Not given
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back in room 11:40 AM